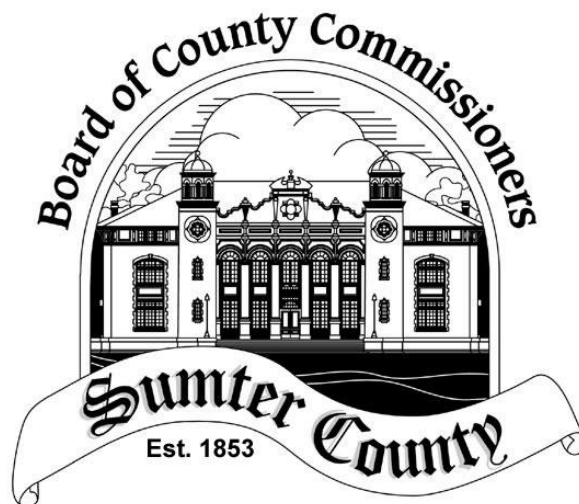


**REQUEST FOR PROPOSALS**  
**FOR**  
**SUMTER COUNTY FIRE RESCUE REPLACEMENT OF**  
**ENGINES 21 & 34**  
**RFP # 015-0-2011/TC**



Board of Sumter County Commissioners  
Financial Services Department  
Tina Chavez, Financial Services Specialist  
7375 Powell Road  
Wildwood, FL 34785

Phone (352) 689-4435 Fax (352) 689-4401  
Date of Issue: **July 22, 2011**  
**Due Date / Time: August 22, 2011 @ 10:00 am**

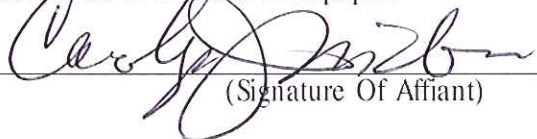
# The Villages DAILY SUN

Published Daily  
Lady Lake, Florida  
State of Florida  
County Of Lake

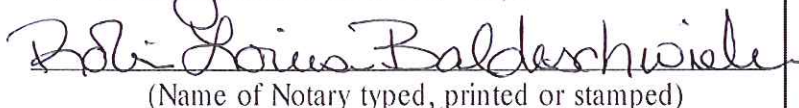
Before the undersigned authority personally appeared  
Carolyn J. Midora, who on oath  
says that she is Legal Ad Coordinator of the DAILY SUN,  
a daily newspaper published at Lady Lake in Lake  
County, Florida with circulation in Lake, Sumter and  
Marion Counties; that the attached copy of  
advertisement, being a Legal Ad #320489  
in the matter of Request for Bids

in the \_\_\_\_\_ court, was published in said  
newspaper in the issues of July 22, 2011

Affiant further says that the said Daily Sun is a  
newspaper published at Lady Lake in said Lake  
County, Florida, and that the said newspaper has  
heretofore been continuously published in said Lake  
County, Florida, each week and has been entered as  
second class mail matter at the post office in Lady  
Lake, in said Lake County, Florida, for a period of one  
year next preceding the first publication of the attached  
copy of advertisements; and affiant further says that he  
has neither paid nor promised any person, firm or  
corporation any discount, rebate, commission or refund  
for the purpose of securing this advertisement for  
publication in the said newspaper.

  
(Signature Of Affiant)

Sworn to and subscribed before me this 26  
day of July, 2011.

  
(Name of Notary typed, printed or stamped)

Personally Known \_\_\_\_\_ or  
Production Identification \_\_\_\_\_  
Type of Identification Produced \_\_\_\_\_

Attach Notice Here

received  
8/5/11

## REQUEST FOR BIDS

Notice is hereby given that the  
County Commissioners of Sum-  
ter County, Florida, will be  
receiving bids for the following:

"Request for Proposals for Fire  
Rescue Replacement of En-  
gines 21 & 34"

Bid information is available upon  
request by calling (352)  
689-4435, by coming to the  
Financial Services Department,  
Suite 206, The Villages Sumter  
County Service Center, 7375  
Powell Road, Wildwood, FL  
34785, or by contacting Demand  
Star at 1-800-711-1712  
or [www.DemandStar.com](http://www.DemandStar.com).

All inquiries and questions re-  
garding this bid must be made  
only to the contact identified  
below and shall be made in writ-  
ing by fax, e-mail, or mail:

Tina Chavez, Financial Services  
Specialist  
Mailing Address: 7375 Powell  
Road, Suite 206  
Wildwood, FL 34785  
E-mail: [Tina.Chavez@sumter-countyfl.gov](mailto:Tina.Chavez@sumter-countyfl.gov)  
Fax: (352) 689-4401

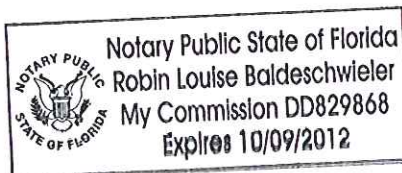
The deadline for submission of  
questions relating to the RFP  
shall be, August 5, 2011 by  
5:00pm. A copy of the bid must  
be obtained in order to view the  
items being bid by Sumter  
County.

All bids are due by 10:00 a.m.  
on August 22, 2011 to the ad-  
dress listed above. Late submit-  
tals will be rejected and returned  
unopened to the Proposer. Bids  
must be firmly sealed in packag-

ing that is clearly marked on the  
outside: "RFP 015-2011 for Fire  
Rescue Replacement of En-  
gines 21 & 34". Sealed Bids  
must be mailed or delivered to  
Ms. Tina Chavez, at the above  
address.

Upon submission, all Bids be-  
come the property of the  
County, who has the right to use  
any or all ideas presented in any  
Bid submitted in response to this  
Bid, whether or not the  
Bid is accepted. Bids will be  
opened at 10:05 a.m. on August  
22, 2011 in Room 208 of The  
Villages Sumter County Service  
Center, Wildwood, FL 34785.

BOARD OF SUMTER COUNTY  
COMMISSIONERS  
SUMTER COUNTY, FLORIDA  
#320489 July 22, 2011



## CALENDAR OF EVENTS / RFP TIMELINE

Listed below are the important dates and times by which the actions noted must be completed. All dates are subject to change by the Sumter County. If Sumter County finds it necessary to change any of these dates or times prior to the Proposals due date, the change will be accomplished by addendum.

<b><u>ACTION</u></b>	<b><u>COMPLETION DATE</u></b>
<b>Issue RFP</b>	<u>July 22, 2011</u>
<b>Non Mandatory Pre-Proposal Meeting</b>	<u>July 27, 2011 @ 10:00 am in Room 208</u>
<b>Last Day for Questions</b>	<u>August 5, 2011 @ 5:00pm</u>
<b>Proposals Due</b>	<u>August 22, 2011 @ 10:00am, will open at 10:05am in Room 208*</u>
<b>Internal Proposal Review</b>	<u>August 22 to August 29, 2011</u>
<b>Selection Committee Meeting</b>	<u>August 30, 2011 @ 10:00am in Room 208*</u>
<b>Sumter County BOCC Award and Contract</b>	<u>September 13, 2011</u>

\*Room 208 is located at The Villages Sumter County Service Center, 7375 Powell Road, Wildwood, FL 34785 on the first floor. Some GPS devices do not recognize Powell Road. The road was formerly called CR 139.

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## **PART 1 INTENT AND GENERAL INFORMATION**

### **REQUEST FOR PROPOSALS**

Sealed Proposals will be received by the Sumter County Board of County Commissioners (BOCC) located at 7375 Powell Road, Wildwood, Florida 34785, **August 22, 2011 @ 10:00 a.m. EST.**

Proposers shall take careful notice of the following conditions of this Request for Proposals:

- Submissions by FAX or other electronic media will not be accepted under any circumstances. Late submissions will not be accepted under any circumstances.
- Submitters may withdraw and/or replace Proposals at any time until the deadline for submission of Proposals.
- All questions received by 5:00p.m., August 5, 2011 will be considered. **Questions will not be answered over the phone.** Questions regarding the RFP process must be in writing and faxed to (352) 689-4401 attention Ms. Tina Chavez, or via email [tina.chavez@sumtercountyfl.gov](mailto:tina.chavez@sumtercountyfl.gov). All Requests for Information (RFI's) regarding the project must be faxed to Sumter County, Attention Mrs. Tina Chavez, 352-689-4401 or via email to [tina.chavez@sumtercountyfl.gov](mailto:tina.chavez@sumtercountyfl.gov).
- Do not attempt to contact any Selection Committee Member, staff member or person other than Ms. Tina Chavez for questions relating to this project. Anyone attempting to lobby Sumter County BOCC representatives may be disqualified. The Selection Committee Members shall be: Leland Greek, Sumter County Fire & EMS Chief; Jerry Rhoden, Sumter County Fire & EMS Shift Commander; Donnie Foster, Sumter County Fire & EMS Firefighter.
- Any bidder affected adversely by an intended decision with respect to the award of any bid, shall file with the Financial Services Department for Sumter County, a written notice of intent to file a protest not later than seventy-two (72) hours (excluding Saturdays, Sundays, and legal holidays), after the posting of the bid tabulation. Bid protest procedures may be obtained in the Financial Services Department, 7375 Powell Road, Wildwood, Florida 34785 from 8:00 A.M. to 5:00 P.M.

IT IS THE SOLE RESPONSIBILITY OF EACH CONTRACTOR TO MONITOR [DEMANDSTAR.COM](http://DEMANDSTAR.COM) FOR ANY AND ALL BID DOCUMENTS, INCLUDING ADDENDUMS.

### **OPEN RECORDS**

The Sumter County BOCC is governed by Florida's public record laws, Chapter 119 of the Florida Statutes. All bids, proposals, quotes and all solicitation documentation are open for public inspection ten (10) days after the solicitation opening or when Sumter County BOCC provides notice of a decision or intended decision, whichever is earlier. Certain proprietary and financial information from vendors may be excluded from release under very strict circumstances. This includes proprietary information or intellectual property as defined in F.S. 119.071 (1) (f).

### **VENDOR RESPONSIBILITY**

Submitters are fully and completely responsible for the labeling, identification and delivery of their Proposals. Sumter County BOCC will not be responsible for any mislabeled or misdirected submissions, nor those handled by delivery persons, couriers, or the U. S. Postal Service.

- Submissions shipped by express delivery, or in overnight or courier envelopes, boxes, or packages must be prominently marked on the outside of such envelopes, boxes or packages with the sealed Proposals identification.
- Any envelopes, boxes, or packages which are not properly labeled, identified, and prominently marked with the sealed Proposals identification, may be inadvertently opened upon receipt, thereby invalidating such Proposals and excluded from the official Proposals opening process.
- Invitation by Sumter County BOCC to vendors is based on the recipient's specific request and application to Demandstar.com, or as the result of response by the public to the legal advertisements required by the State.
- Firms or individuals submit their responses on a voluntary basis, and therefore are not entitled to compensation of any kind. No proposer will be reimbursed for any cost incurred as a result of preparing or submitting their Proposals. Additionally, no travel expenses incurred as a result in participating in the Proposals process will be reimbursed.
- A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a Proposals on a contract to provide any goods or services to a public entity, may not submit a Proposals on a contract with a public entity for the construction or repair of a public building or public work, may not submit Proposals on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statutes Section 287.017, for CATEGORY TWO for a period of thirty-six (36) months from the date of being placed on the convicted vendor list.
- Proposals that are incomplete, unbalanced, conditional, obscure, or which contain additions not called for, alterations, or irregularities of any kind, or which do not comply with these documents may be rejected at the option of the Sumter County BOCC.

## **STANDARD INSURANCE REQUIREMENTS**

The Contractor shall maintain, on a primary basis and at its sole expense, at all times during the life of this contract, or the performance of work hereunder, the following insurance coverages, limits, and endorsements described herein. The requirements contained herein, as well as the County's review or acknowledgement, is not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by the Contractor under this contract.

**Financial Rating of Insurance Companies** All insurance companies must have financial rating of **A-** or higher by A.M. Best.

**Commercial General Liability** The Contractor shall maintain Commercial General Liability at a limit of liability not less than **\$1,000,000** Each Occurrence and **\$2,000,000** Annual Aggregate. The coverage shall not contain any endorsement(s) excluding nor limiting Product/Completed Operations, Independent Contractors, Broad Form Property Damage, X-C-U Coverage, Contractual Liability or Cross Liability. The self-insured retention or deductible shall not exceed \$25,000.

**Business Automobile Liability** The Contractor shall maintain Business Automobile Liability at a limit of liability not less than **\$1,000,000** Each Occurrence. Coverage shall include liability for



Owned, Non-Owned & Hired automobiles. In the event the Contractor does not own automobiles, the Contractor shall maintain coverage for Hired & Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy.

**Worker's Compensation Insurance & Employers Liability** The Contractor shall maintain its own Worker's Compensation Insurance & Employers Liability in accordance with Florida Statute Chapter 440. **(NOTE: Elective exemptions or coverage through an employee leasing arrangement will NOT satisfy this requirement).**

**Umbrella or Excess Liability (needed for large contracts as determined by Risk Management)** The Contractor shall maintain either a Commercial Umbrella or Excess Liability at a limit of liability not less than **\$2,000,000** Each Occurrence and **\$2,000,000** Aggregate. The Contractor shall endorse the County as an "Additional Insured" on the Umbrella or Excess Liability, unless the Commercial Umbrella/Excess Liability provides coverage on a pure "True Follow-Form" basis, or the County is automatically defined as an Additional Protected Person. Any self-insured retention or deductible shall not exceed \$25,000.

**Additional Insured** The Contractor shall endorse the County as an Additional Insured on the Commercial General Liability with a CG 2010 Additional Insured – Owners, Lessees, or Contractors, or CG2026 Additional Insured – Owners, Lessees, or Contractors – Scheduled Person or Organization endorsement, or similar endorsement providing equal or broader Additional Insured coverage.

In addition, the Contractor shall endorse the County as an Additional Insured under the Contractor's Commercial Umbrella/Excess Liability as required herein.

The name of the organization endorsed as Additional Insured for all endorsements shall read "Sumter County Board of County Commissioners."

**Indemnification** The Contractor shall indemnify, defend and hold harmless the County, its offices, agents and employees from and against any and all claims, losses or liability, or any portion thereof, including attorney's fees and costs, arising from injury or death to persons, including injuries, sickness, disease or death to contractor's own employees or damage to property occasioned by a negligent act, omission or failure of the Contractor.

**Deductibles, Coinsurance Penalties, & Self-Insured Retention** The Contractor shall be fully and solely responsible for any costs or expenses as a result of a coverage deductible, coinsurance penalty, or self-insured retention; including any loss not covered because of the operation of such deductible, coinsurance penalty, self-insured retention, or coverage exclusion or limitation. For deductible amounts that exceed the amounts stated herein that are acceptable to the County, the Contractor shall, when requested by the County, maintain a Commercial Surety Bond in an amount equal to said deductible amount.

**Waiver of Subrogation** The Contractor shall provide a Waiver of Subrogation in favor of the County, Contractor, subcontractor, architects, or engineers for each required policy providing coverage during the life of this Contract. When required by the insurer, or should a policy condition not permit the Contractor to enter into a pre-loss agreement to waive subrogation without an endorsement, then the Contractor shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or an equivalent endorsement. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition

specifically prohibiting such an endorsement, or voids coverage should the Contractor enter into such an agreement on a pre-loss basis.

**Right to Revise or Reject** The County reserves the right, but not the obligation, to review and revise any insurance requirement, not limited to limits, coverages and endorsements based on insurance market conditions affecting the availability or affordability of coverage; or changes in the scope of work / specifications affecting the applicability of coverage. Additionally, the County reserves the right, but not the obligation, to review and reject any insurance policies failing to meet the criteria stated herein, or any insurer(s) providing coverage due to its poor financial condition or failure to operate legally. In such events, the County shall provide the Contractor written notice of such revision or rejections.

**No Representation of Coverage Adequacy** The coverages, limits or endorsements required herein protect the primary interests of the County, and these coverages, limits or endorsements shall in no way be required to be relied upon when assessing the extent or determining appropriate types and limits of coverage to protect the Contractor against any loss exposures, whether as a result of the Project or otherwise.

**Certificate(s) of Insurance** The Contractor shall provide the County with Certificate(s) of Insurance clearly evidencing that all coverages, limits and endorsements required herein are maintained and in full force and effect. A minimum thirty (30) day endeavor to notify due to cancellation or non-renewal of coverage shall be identified on each Certificate of Insurance. In the event the County is notified that a required insurance coverage will cancel or expire during the period of this Contract, the Contractor agrees to furnish the County prior to the expiration of such insurance, a new Certificate of Insurance evidencing replacement coverage. When notified by the County, the Contractor agrees not to continue work pursuant to this Contract, unless all required insurance remains in effect.

The County shall have the right, but not the obligation, of prohibiting the Contractor from entering the Project site until a new Certificate of Insurance is provided to the County evidencing the replacement coverage. The Contractor agrees the County reserves the right to withhold payment to the Contractor until evidence of reinstated or replacement coverage is provided to the County. If the Contractor fails to maintain the insurance as set forth herein, the Contractor agrees the County shall have the right, but not the obligation, to purchase replacement insurance, which the Contractor agrees to reimburse any premiums or expenses incurred by the County.

The Contractor agrees the Certificate(s) of Insurance shall:

1. Clearly indicate the County has been endorsed on the Commercial General Liability with a CG 2010 Additional Insured – Owners, Lessees, or Contractors, or CG 2026 Additional Insured – Owners, Lessees, or Contractors – Scheduled Person or Organization endorsement, or similar endorsement providing equal or greater Additional Insured coverage.
2. Clearly indicate the County is endorsed as an Additional Insured, or Loss Payee, on the Builder's Risk, and when applicable, Additional Insured on the Commercial Umbrella/Excess Liability as required herein.
3. Clearly identify each policy's limits, flat & percentage deductibles, sub limits, or self-insured retentions, which exceed the amounts or percentages set forth herein.
4. Clearly indicate a minimum thirty (30) day endeavor to notify requirement in the event of cancellation or non-renewal of coverage.
5. Forward original to and clearly indicate Certificate Holder and Additional Insured as follows:



Sumter County Board of County Commissioners  
Risk Management Department  
Attn: Lita Hart  
7375 Powell Road  
Wildwood, FL 34785

### **PROPOSAL DOCUMENTS REQUIRED**

The following documents and forms in the following arrangement must accompany each Proposal or alternate Proposal submitted:

- Proposals Cover Page. This is to be used as the first page of the RFP. This form must be fully completed and signed by an authorized officer of the vendor.
- Proposer Certification / Addenda Acknowledgement Form.
- Proposals Form.
- General Terms and Conditions statement must be signed and returned with the Proposals form.
- A sworn, notarized Statement of Reference and Similar Project Experience Form.
- A sworn, notarized Drug Free Work Place Certificate must accompany each Proposals or alternate Proposals.
- Fee Schedule List
- A separate sheet or sheets, clearly identified and numbered, of Exceptions or Deviations from the minimum specifications, must be attached to the Proposals Form (if applicable).
- A Certificate of Insurability, acceptable to the County, shall accompany each Proposals or alternate Proposals, in the amounts as prescribed by State and Sumter County BOCC.

### **EXAMINATION OF PROPOSALS DOCUMENTS**

- Each vendor shall carefully examine the Scope of Work and other applicable documents, and inform himself/herself thoroughly regarding any and all conditions and requirements that may in any manner affect cost, progress or performance of the work to be performed under the Contract. Ignorance on the part of the CONTRACTOR will in no way relieve him/her of the obligations and responsibilities assumed under the Contract.
- Should a vendor find discrepancies or ambiguities in, or omissions from the Scope of Work, or should he/she be in doubt as to their meaning, he/she shall at once notify Sumter County BOCC in writing.

### **INTERPRETATIONS, CLARIFICATIONS AND ADDENDA**

- No oral interpretations will be made to any vendor as to the meaning of the Proposals/Contract Documents. Any questions or request for interpretation received IN

WRITING by Sumter County BOCC before 5:00 p.m., August 5, 2011, will be given consideration. All such changes or interpretations will be made in writing in the form of an addendum and, if issued, will be distributed at or after the Pre-Proposal Conference (if applicable), mailed or sent by available or electronic means to all attending prospective Submitters prior to the established Proposals opening date. Each Vendor shall acknowledge receipt of such addenda in the space provided on the Proposals Form.

- In case any Vendor fails to acknowledge receipt of such addenda or addendum, his/her Proposals will nevertheless be construed as though it had been received and acknowledged and the submission of his Proposals will constitute acknowledgment of the receipt of same. All addenda are a part of the Proposals Documents and each Vendor will be bound by such addenda, whether or not received by him/her. It is the responsibility of each Vendor to verify that he/she has received all addenda issued before Proposals are opened.
- In the case of unit price items, the quantities of work to be done and materials to be furnished under this Proposals/Contract are to be considered as approximate only and are to be used solely for the comparison of Proposals received. The Sumter County BOCC and/or CONSULTANTS do not expressly or by implication represent that the actual quantities involved will correspond exactly therewith; nor shall the Vendor plead misunderstanding or deception because of such estimate or quantities of work performed or material furnished in accordance with the Specifications and/or Drawings and other Proposals documents, and it is understood that the quantities may be increased or diminished as provided herein without in any way invalidating any of the unit or lump sum prices Proposals.

## **GOVERNING LAWS AND REGULATIONS**

The vendor is required to be familiar with and shall be responsible for complying with all federal, state and local laws, ordinances, rules and regulations that in any manner affect the work.

## **PREPARATION OF PROPOSALS**

- Signature of the Vendor: The Vendor must sign the Proposals forms in the space provided for the signature. If the Vendor is an individual, the words "Doing Business As \_\_\_\_\_," must appear beneath such signature. In the case of a partnership, the signature of at least one of the partners must follow the firm name and the words, "Member of the Firm" should be written beneath such signature. If the Vendor is a corporation, the title of the officer signing the Proposals on behalf of the corporation must be stated and evidence of his authority to sign the Proposals must be submitted. The Vendor shall state in the Proposals Form the name and address of each person interested therein.
- Basis for Proposals: The price proposed for each item shall be on a lump sum or unit price basis according to the form of the Proposals. The Proposals prices shall remain unchanged for the duration of the Contract and no claims for cost escalation during the progress of the work will be considered.

## **FISCAL YEAR FUNDING APPROPRIATION**

Unless otherwise provided by law, a contract for supplies or services may be entered into for any period of time deemed to be in the best interests of the Sumter County BOCC, provided the term of the contract and conditions of renewal or extension, if any, are included in the solicitation and funds are available for the fiscal period at the time of the contract. Payment and performance obligations

for succeeding fiscal periods shall be subject to appropriation by the Sumter County BOCC of funds thereafter.

When funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period, the contract shall be cancelled and the contractor shall be entitled to reimbursement for the reasonable value of any nonrecurring cost incurred but not advertised in the price of the supplied or services delivered under the contract or otherwise recoverable.

### **TAX EXEMPT STATUS**

The Sumter County Board of County Commissioners is a governmental agency under Florida law and exempt from Florida sales tax. The tax exempt number will be provided upon request. This exemption does not apply to goods and services purchased separately by a Contractor in connection with its contract obligations. The Contractor shall be responsible for paying any taxes, fees, or similar payments that are required to be paid in connection with the contract work.

### **PROTECTION OF RESIDENT WORKERS**

The Sumter County BOCC actively supports the Immigration and Nationality Act (INA) which includes provisions addressing employment eligibility, employment verification, and nondiscrimination. Under the INA, employers may hire only persons who may legally work in the United States (i.e. citizens and nationals of the U.S.) and aliens authorized to work in the U.S. The employer must verify the identity and employment eligibility of anyone to be hired, which includes completing the Employment Eligibility Verification Form (I-9). The Contractor shall establish appropriate procedures and controls so no services or products under the Contract Documents will be performed or manufactured by any worker who is not legally eligible to perform such services or employment. The Contractor must be able to verify an employee's eligibility to work in the U.S. upon demand by the Sumter County BOCC throughout the duration of the contract.

### **SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS**

The Sumter County Board of County Commissioners is a unit of local government and as such reserves the right to reject any and/or all Proposals, reserves the right to waive any informalities or irregularities in the Proposals or examination process, reserves the right to select low Proposals per item, and reserves the right to award Proposals and/or contracts in the best interest of the Sumter County Board of County Commissioners.

### **RIGHT TO AUDIT RECORDS**

The Sumter County Board of County Commissioners shall be entitled to audit the books and records of the Contractor or any sub-contractor to the extent that such books and records relate to the performance of the Agreement or any sub-contract to the Agreement. Such books and records shall be maintained by the Contractor for a period of three (3) years from the date of final payment under the Agreement and by the sub-contractor for a period of three (3) years from the date of final payment under the sub-contract unless a shorter period is otherwise authorized in writing.

### **ADDITIONAL SERVICES/PURCHASES BY OTHER PUBLIC AGENCIES**

The Vendor by submitting a Proposals/bid acknowledges that other public agencies may seek to "Piggy-Back" under the same terms and conditions during the effective period of any resulting contract services and/or purchases being offered in this Proposals/bid for the same prices and/or terms being proposed. Vendor has the option to agree or disagree to allow contract Piggy-Backs on a case-by-case basis. Before a public agency is allowed to Piggy-Back any contract, the agency must first obtain the vendor's approval. Without the vendor's approval, the seeking agency cannot Piggy-Back.

## PART 2 EVALUATION AND AWARD

### PROPOSALS EVALUATION

This Request for Proposals includes following all the procedures in this document and sending the sealed Proposals information to the Sumter County BOCC by the due date and time. Once Proposals are received, the Selection Committee members will independently review each submittal and score each Proposal based on the evaluation criteria. All Proposals received in accordance with this Request for Proposals will be evaluated using the following criteria.

**Name of Evaluator:** \_\_\_\_\_

**Name of Firm Evaluated:** \_\_\_\_\_

Factor	Description	Points	Evaluator Score	Comments (see below)
1.	<b>General Requirements</b> How well the equipment proposed meets the requirements of the technical specifications contained in the Request for Proposals.	25		
2.	<b>Cost</b> Total cost to the County.	30		
3.	<b>Warranties</b> How well the proposer meets the minimum warranties specified on this Proposal.	20		
4.	<b>Vendor References</b> Feedback from current and past customers of the vendor.	15		
5.	<b>Quality and Completeness of Proposal</b> Quality, professionalism and conciseness of Proposal and of any required submission.	10		
Total		100		

**Comments:**

Factor	Discussion
1.	
2.	
3.	
4.	
5.	
6.	

**Signature of Evaluator:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Do not attempt to contact any Selection Committee Member, staff member or person other than Ms. Tina Chavez for questions relating to this project. Anyone attempting to lobby Sumter County BOCC representatives may be disqualified. The Selection Committee Members shall be: Leland Greek, Sumter County Fire & EMS Chief; Jerry Rhoden, Sumter County Fire & EMS Shift Commander; Donnie Foster, Sumter County Fire & EMS Firefighter.

Recommendation of award will be provided on Demand Star once award is made at [www.demandstar.com](http://www.demandstar.com). The award will be based on the Proposal that is most advantageous to Sumter County. All Selection Committee recommendations are subject to Board approval.

The Selection Committee will meet to evaluate Proposals on August 30, 2011 @ 10:00 a.m. in **Room 208** located in The Villages Sumter County Service Center, 7375 Powell Road, Wildwood, FL 34785.

### **PROPOSALS AWARD**

Submitters and vendors registered through [www.demandstar.com](http://www.demandstar.com) will have access to award documents via the website. All others wishing to receive an official tabulation of the results of the opening of this Proposal are to submit a self-addressed, stamped business size (No. 10) envelope. Proposal results may also be requested by telephone, fax or electronic media.



### **PART 3 PROPOSALS SUBMITTAL**

An original (1), an electronic copy not password protected and with the forms sent in their original format (1) and three (3) copies for a total of five (5), of each Proposals or alternate Proposals shall be submitted in a sealed envelope, prominently marked on the outside with the words, “**RFP # 015-0-2011/TC Sumter County Fire Rescue Replacement of Engines 21 & 34**” with the firm name and return address. Proposals submitted in express, overnight or courier envelopes, boxes or packages must be prominently marked on the outside with the words, “**RFP # 015-0-2011/TC Sumter County Fire Rescue Replacement of Engines 21 & 34**” and the contents sealed as required.

- Deadline for Submissions in response to this Request for Proposals: Proposals must be received no later than 10:00 a.m. on August 22, 2011. Proposals submitted by FAX or other electronic media will not be accepted under any circumstances. **Late Proposals will not be accepted, and will be returned, unopened, to the proposer, at the proposer’s expense.**
- Any person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime, may not submit a Proposals on a contract to provide any goods or services to a public entity, may not submit a Proposals on a contract with a public entity for the construction or repair of any public building or public work, may not submit Proposals on leases of real property to a public entity crime, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of ten thousand dollars, (\$10,000.00) for a period of thirty-six (36) months from the date of being placed on the convicted vendor list, pursuant to paragraph 2a of Section 287.133, Florida Statutes.
- The Sumter County Board of County Commissioner as a unit of local government reserves the right to reject any and/or all Proposals, reserves the right to waive any informalities or irregularities in the Proposals or evaluation process, and reserves the right to award contract(s) in the best interest of the Sumter County BOCC.

### **PAGE SPECIFICATIONS**

- Page Limit – None.
- Page Size – 8 ½ x 11; oversized or pullout pages must be folded to accommodate this size.
- Binding – Shall be neat, professional and appropriate for the document’s thickness.
- Professional Cover Page – Not required but acceptable. If used, the cover page shall indicate the name and number of the solicitation. It shall NOT be used as a replacement for the Proposals Cover Page listed herein.
- Original Document – Shall have original signatures and be clearly noted ORIGINAL on the cover.

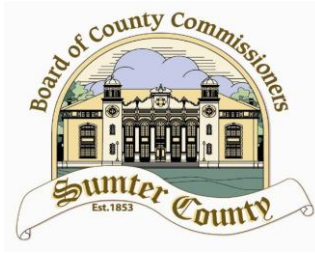
**PART 4  
PROPOSALS DOCUMENTS  
PROPOSALS COVER PAGE**

<b>Name of Firm, Entity or Organization:</b>
<b>Federal Employer Identification Number (FEIN):</b>  <b>State of Florida License Number (If Applicable):</b>  <b>Name of Contact Person:</b>  <b>Title:</b>  <b>E-Mail Address:</b>
<b>Mailing Address:</b>  <b>Street Address (if different):</b>  <b>City, State, Zip:</b>  <b>Telephone:</b> _____ <b>Fax:</b> _____
<b>Organizational Structure – Please Check One:</b>  Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Proprietorship <input type="checkbox"/> Joint Venture <input type="checkbox"/> Other <input type="checkbox"/>  <b>If Corporation:</b> <b>Date of Incorporation:</b> _____ <b>State of Incorporation:</b> _____  <b>States Registered in as Foreign Corporation:</b>
<b>Authorized Signature:</b>  <b>Print Name:</b> _____  <b>Signature:</b> _____  <b>Title:</b> _____  <b>Phone:</b> _____
<b><i>This document must be completed and returned with your Submittal.</i></b>

## PROPOSER'S CERTIFICATION

Submit To: Sumter County Board of County Commissioners  7375 Powell Road Wildwood, Florida, 34785 Phone 352-689-4400 Fax 352-689-4401		SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS  REQUEST FOR PROPOSALS (RFP) CERTIFICATION  AND ADDENDA ACKNOWLEDGMENT	
<b>DUE DATE: August 22, 2011</b>		<b>DUE TIME: 10:00 am</b>	
<b>RFP # 015-0-2011/TC</b>			
<b>TITLE: Sumter County Fire Rescue Replacement of Engines 21 &amp; 34</b>			
<b>VENDOR NAME:</b>		<b>PHONE NUMBER:</b>	
<b>VENDOR MAILING ADDRESS:</b>		<b>FAX NUMBER:</b>	
<b>CITY/STATE/ZIP:</b>		<b>E-MAIL ADDRESS:</b>	
<p>"I, the undersigned, certify that I have reviewed the addenda listed below (list all addenda received to date). I understand that timely commencement will be considered in award of this RFP and that cancellation of award will be considered if commencement time is not met, and that untimely commencement may be cause for termination of contract. I further certify that the services will meet or exceed the RFP requirements. I, the undersigned, declare that I have carefully examined the RFP, specifications, terms and conditions as applicable for this Request, and that I am thoroughly familiar with all provisions and the quality and type of coverage and services specified. I further declare that I have not divulged, discussed, or compared this RFP with any other Offeror and have not colluded with any Offerors or parties to an RFP whatsoever for any fraudulent purpose."</p>			
_____	_____	_____	_____
Addendum #	Addendum #	Addendum #	Addendum #
<p>"I certify that this quote is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting an RFP for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this response and that the offer is in compliance with all requirements of the RFP, including but not limited to certification requirements. In conducting offers with an agency for Sumter County Board of County Commissioners (BOCC), respondent agrees that if this Proposals is accepted, the respondent will convey, sell, assign, or transfer to the Sumter County BOCC all rights, title and interest in and to all causes of action it may now or hereafter acquire under the anti-trust laws of the United States for price fixing relating to the particular commodities or services purchased or acquired by the COUNTY. At the Sumter County BOCC discretion, such assignment shall be made and become effective at the time the purchasing agency renders final payment to the respondent."</p>			
_____		_____	
Authorized Agent Name, Title (Print)		Authorized Signature	Date
<p><b><i>This form must be completed and returned with your Submittal</i></b></p>			

## PROPOSALS FORM FOR BOARD OF SUMTER COUNTY COMMISSIONERS



Name of Firm Submitting Qualifications \_\_\_\_\_

Name of Person Submitting Qualifications \_\_\_\_\_

### PROPOSER ACKNOWLEDGMENT

"The undersigned hereby declares that he/she has informed himself/herself fully in regard to all conditions to the work to be done, and that he/she has examined the RFP and Specifications for the work and comments hereto attached. The Vendor proposes and agrees, if this submission is accepted, to contract with the Board of Sumter County Commissioners, to furnish all necessary materials, equipment, labor and services necessary to complete the work covered by the RFP and Contract Documents for this Project. The Vendor agrees to accept in full compensation for each item the prices named in the schedules incorporated herein."

---

### CONSULTANT'S FEE SCHEDULE MUST BE ATTACHED TO THIS PROPOSAL

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\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

[ ☐ ] Check if exception(s) or deviation(s) to Specifications. Attach separate sheet(s) detailing reason and type for the exception or deviation.

***This document must be completed and returned with your Submittal***

# STATEMENT OF TERMS AND CONDITIONS

**PUBLIC ENTITY CRIME:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a Proposals/Bid on a contract to provide any goods or services to a public entity, for the construction or repair of a public building or public work, may not submit Proposals/Bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**INDEMNIFICATION :** The Contractor agrees to indemnify and hold harmless Board of Sumter County Commissioners, and their elected officials, employees and volunteers from and against all claims, losses and expenses, including legal costs, arising out of or resulting from, the performance of this contract, provided that any such claims, damage, loss of expenses is attributed to bodily injury, sickness, disease, personal injury or death, or to injury to or destruction of tangible property including the loss or loss of use resulting there from and is caused in whole or in part by any negligent act or omission of the tenant.

**PROHIBITION OF LOBBYING:** During the black out period which is, the period between the time the submittals for Invitation to Bid or the Request for Proposals, or Qualifications, or information, as applicable, are received at Contracts / Purchasing and the time the Board awards the contract, no proposer, no lobbyist, principal, or other person may lobby, on behalf of a competing party in a particular procurement matter, any member of the Board, or any Board employee other than the Financial Services Manager. Violation of this provision may result in disqualification of violating party. All questions regarding this Request for Proposals (RFP) or Invitation to Bid (BID) must be submitted in writing to the Board's Financial Services Manager.

**ANTI TRUST LAWS:** By submission of a signed RFP or BID, the successful Vendor acknowledges compliance with all antitrust laws of the United States and the State of Florida, in order to protect the public from restraint of trade, which illegally increases prices.

**CONFLICT OF INTEREST:** The award of the contract hereunder is subject to the provisions of Chapter 112 of the Florida Statutes. Vendors shall disclose the name of any Officer, Director, Partner, Associate, or Agent who is also an Officer, Appointee, or Employee of any of the Boards at the time of the RFP or BID, or at the time of occurrence of the Conflict of Interest thereafter.

**INTERPRETATION, CLARIFICATIONS AND ADDENDA:** No oral interpretations will be made to any vendor as to the meaning of the RFP/BID Contract Documents. Any inquiry or request for interpretation received by the Financial Services Manager before the date listed herein will be given consideration. All such changes or interpretations will be made in writing in the form of an addendum and, if issued, will be distributed at or after the Pre-Proposals/Pre-Bid Conference, mailed or sent by available or electronic means to all attending prospective Submitters prior to the established RFP/BID opening date. Each Vendor shall acknowledge receipt of such addenda in the space provided. In case any Proposer/Bidder fails to acknowledge receipt of such addenda or addendum, his offer will nevertheless be construed as though it had been received and acknowledged and the submission of his bid will constitute acknowledgment of the receipt of same. All addenda are a part of the RFP/BID FORMS and each Proposer/Bidder will be bound by such addenda, whether or not received by him. It is the responsibility of each proposer/bidder to verify that he has received all addenda issued before RFP's/BID's are opened. In the case of unit price items, the quantities of work to be done and materials to be furnished under this RFP/BID Contract are to be considered as approximate only and are to be used solely for the comparison of RFP's/BID's received. The Board and/or his CONSULTANT do not expressly or by implication represent that the actual quantities involved will correspond exactly therewith; nor shall the Vendor plead misunderstanding or deception because of such estimate or quantities of work performed or material furnished in accordance with the Specifications and/or Drawings and other Proposals/Bid Documents, and it is understood that the quantities may be increased or diminished as provided herein without in any way invalidating any of the unit or lump sum prices bid.

**GOVERNING LAWS AND REGULATIONS:** The vendor is required to be familiar with and shall be responsible for complying with all federal, state and local laws, ordinances, rules and regulations that in any manner affect the work.

**PROPRIETARY/CONFIDENTIAL INFORMATION:** Vendors are hereby notified that all information submitted as part of, or in support of RFP's/BID's, will be available for public inspection ten days after opening of the RFP's/BID's or until a short list is recommended whichever comes first, in compliance with Chapter 119, and 287 of the Florida Statutes. Any person wishing to view the RFP's/BID's must make an appointment by calling the Financial Services Manager at (352) 793-0200. All RFP's/BID's submitted in response to this solicitation become the property of the Board. Unless information submitted is proprietary, copy written, trademarked, or patented, the Board reserves the right to utilize any or all information, ideas, conceptions, or portions of any RFP/BID, in its best interest.

**TAXES:** The Board of Sumter County Commissioners is exempt from any taxes imposed by the State and/or Federal Government. Exemption certificates will be provided upon request.

**NON-COLLUSION DECLARATION:** By signing this RFP/BID, all Vendors shall affirm that they shall not collude, conspire, connive or agree, directly or indirectly, with any other Proposer, firm, or person to submit a collusive or sham Proposals in connection with the work for which their RFP/BID has been submitted; or to refrain from Bidding in connection with such work; or have in any manner, directly or indirectly, sought by person to fix the price or prices in the RFP/BID or of any other Bidder, or to fix any overhead, profit, or cost elements of the RFP/BID price or the RFP/BID price of any other Bidder, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against any other Bidder, or any person interested in the proposed work.

**PROPOSER RESPONSIBILITY:** Invitation by the Boards to vendors is based on the recipient's specific request and application to DemandStar by Onvia at [www.DemandStar.com](http://www.DemandStar.com) [(800) 711-1712] or as the result of response by the public to the legal advertisements required by State law. Firms or individuals submit their responses on a voluntary basis, and therefore are not entitled to compensation of any kind.

**OWNERSHIP OF SUBMITTALS:** All responses, inquiries or correspondence relating to or in reference to this RFP/BID, and all other reports, charts, displays, schedules, exhibits and other documentation submitted by the vendors will become the property of the Board. Reference to literature submitted with a previous RFP/BID will not relieve the Bidder from including any required documents with this RFP/BID.

**EXAMINATION OF BID DOCUMENTS:** Each Bidder shall carefully examine the RFP/BID Document to ensure all pages have been received, all drawings and/or Specifications and other applicable documents are included, and shall inform himself thoroughly regarding any and all conditions and requirements that may in any manner affect cost, progress or performance of the work to be performed under the Contract. Ignorance on the part of the CONTRACTOR will in no way relieve him of the obligations and responsibilities assumed under the Contract.

**VENDOR RESPONSIBILITY:** Vendors are fully and completely responsible for the labeling, identification and delivery of their submittals. The Financial Services Manager will not be responsible for any mislabeled or misdirected submissions, nor those handled by delivery persons, couriers, or the US Postal Service.

**DRUG FREE WORKPLACE:** All Proposers/Bidders shall submit the enclosed, duly signed and notarized form entitled "Drug Free Workplace Certificate". The Drug Free Workplace Vendor shall have the burden of demonstrating that his program complies with Section 287.087 of the Florida Statutes, and any other applicable state law.

**BOARD OF SUMTER COUNTY COMMISSIONERS,** are political subdivisions of the State of Florida, and reserve the right to reject any and/or all submittals, reserve the right to waive any informalities or irregularities in the examination process, and reserve the right to award contracts and/or in the best interest of the Boards. Submittals not meeting stated minimum terms and qualifications may be rejected by the Boards as non-responsive. The Boards reserve the right to reject any or all submittals without cause. The Boards reserves the right to reject the submission of any Vendor in arrears or in default upon any debt or contract to the Boards, or who has failed to perform faithfully any previous contract with the Boards or with other governmental agencies.

**PUBLIC RECORDS LAW:** Correspondence, materials and documents received pursuant to this RFP/BID become public records subject to the provisions of Chapter 119, Florida Statutes.

**VERIFICATION OF TIME:** Nextel time is hereby established as the Official Time of the Boards.

**PREPARATION OF PROPOSALS/BIDS:**

**Signature of the Bidder:** The Bidder must sign the RFP/BID FORMS in the space provided for the signature. If the Proposer/Bidder is an individual, the words "doing business as \_\_\_\_\_," must appear beneath such signature. In the case of a partnership, the signature of at least one of the partners must follow the firm name and the words, "Member of the Firm" should be written beneath such signature. If the Proposer/Bidder is a corporation, the title of the officer signing the RFP/BID on behalf of the corporation must be stated and evidence of his authority to sign the RFP/BID must be submitted. The Proposer/Bidder shall state in the RFP/BID FORMS the name and address of each person interested therein.

**Basis for Bidding:** The price proposed for each item shall be on a lump sum or unit price basis according to specifications on the RFP/BID FORM. The proposed prices shall remain unchanged for the duration of the Contract and no claims for cost escalation during the progress of the work will be considered, unless otherwise provided herein.

**Total Proposed Price/Total Contract Sum Proposed:** If applicable, the total price bid for the work shall be the aggregate of the lump sum prices proposed and/or unit prices multiplied by the appropriate estimated quantities for the individual items and shall be stated in figures in the appropriate place on the RFP/BID FORM. In the event that there is a discrepancy on the RFP/BID FORM due to unit price extensions or additions, the corrected extensions and additions shall be used to determine the project bid amount.

**TABULATION:** Those wishing to receive an official tabulation of the results of the opening of this RFP/BID are to submit a self-addressed, stamped business size (No. 10) envelope, prominently marked on the front lower left side, with the RFP identification. Tabulation requested by telephone, fax or electronic media will not be accepted.

**OBLIGATION OF WINNING BIDDER:** The contents of the RFP/BID of the successful proposer/bidder will become contractual obligations if acquisition action ensues. Failure of the successful Proposer/Bidder to accept these obligations in a contract may result in cancellation of the award and such vendor may be removed from future participation.

**AWARD OF BID:** It is the Boards' intent to select a vendor within **sixty (60) calendar days** of the deadline for receipt of Proposals/Bids. However, Proposals/Bids must be firm and valid for award for at least **ninety (90) calendar days** after the deadline for receipt of the RFP/BID.

**ADDITIONAL REQUIREMENTS:** The firms shall furnish such additional information as the Boards may reasonably require. This includes information which indicates financial resources as well as ability to provide the services. The Boards reserve the right to make investigations of the qualifications of the firm as it deems appropriate.

**PREPARATION COSTS:** The Boards shall not be obligated or be liable for any costs incurred by Proposers/Bidders prior to issuance of a contract. All costs to prepare and submit a response to this RFP/BID shall be borne by the Proposer/Bidder.

**TIMELINESS:** All work will commence upon authorization from the Boards' representative (Financial Services Manager). All work will proceed in a timely manner without delays. The Contractor shall commence the work UPON RECEIPT OF NOTICE TO PROCEED and/or ORDER PLACED (PURCHASE ORDER PRESENTED), and shall deliver in accordance to the terms and conditions outlined and agreed upon herein.

**DELIVERY:** All prices shall be FOB Destination, Sumter County, Florida, inside delivery unless otherwise specified.

**ADDITIONAL SERVICES/PURCHASES BY OTHER PUBLIC AGENCIES ("PIGGY-BACK"):**

The Vendor by submitting a Bid acknowledges that other Public Agencies may seek to "Piggy-Back" under the same terms and conditions, during the effective period of any resulting contract – services and/or purchases being offered in this Bid, for the same prices and/or terms proposed. Vendor has the option to agree or disagree to allow contract Piggy-Backs on a case-by-case basis. Before a Public Agency is allowed to Piggy-Back any contract, the Agency must first obtain the vendor's approval – without the vendor's approval, the seeking Agency cannot Piggy-Back.

**PLANS, FORMS & SPECIFICATIONS:** Bid Packages are available from the Financial Services Manager. These packages are available for pickup or by mail. If requested to mail, the Proposer/Bidder must supply a courier account number (UPS, FedEx, etc). Proposers/Bidders are required to use the official RFP/BID FORMS, and all attachments itemized herein, are to be submitted as a single document. Any variation from the minimum specifications must be clearly stated on the RFP/BID FORM and/or Exceptions/Deviations Sheet(s). Only one set of plans, forms, and specifications will be furnished each company or corporation interested in submitting a Proposals/bid. RFP/BID FORM documents for this project are free of charge and are available on-line and are downloadable (vendor must pay any DemandStar fees or any shipping).

**MANUFACTURER'S NAME AND APPROVED EQUIVALENTS:** Any manufacturer's names, trade names, brand names, information and/or catalog numbers listed in a specification are for information and not intended to limit competition unless otherwise indicated. The Proposer/Bidder may offer any brand for which he is an authorized representative, which meets or exceeds the RFP/BID specification for any item(s). If RFP's/BID's are based on equivalent products, indicate on the RFP/BID FORM the manufacturer's product name and literature, and/or complete specifications. Reference to literature submitted with a previous RFP/BID will not satisfy this provision. The Proposer/Bidder shall explain in detail the reason(s) why the proposed equivalent will meet the specifications and not be considered an exception thereto. RFP's/BID's which do not comply with these requirements are subject to rejection. RFP's/BID's lacking any written indication of intent to quote an alternate brand will be received and considered in complete compliance with the specifications as listed on the RFP/BID FORM. The Financial Services Manager is to be notified, in writing, of any proposed changes in materials used, manufacturing process, or construction. However, changes shall not be binding upon the Boards unless evidenced by a Change Notice issued and signed by the Financial Services Manager, or designated representative.

**QUANTITIES:** The quantities as specified in this RFP/BID are estimates only and are not to be construed as guaranteed minimums.

**SAMPLES:** Samples of items, when called for, shall be furnished free of expense, and if not destroyed may, upon request, be returned at the Proposer's/Bidder's expense. Each sample shall be labeled with the Proposer's/Bidder's name, manufacturer brand name and number, RFP/BID number and item reference. Samples of successful Proposer's/Bidder's items may remain on file for the term of the contract. Request for return of samples shall be accompanied by instructions which include shipping authorization and must be received at time of opening. Samples not returned may be disposed of by the Boards within a reasonable time as deemed appropriate.

**DOCUMENT RE-CREATION:** Vendor may choose to re-create any document(s) required for this solicitation, but must do so at his own risk. All required information in the original Bid format must be included in any re-created document. Submittals may be deemed non-responsive if required information is not included in any re-created document.

ACKNOWLEDGED:

(Signature and Date)

***This document must be completed and returned with your Submittal***  
**REFERENCE & SIMILAR PROJECTS EXPERIENCE FORM**

Owner / Business Name:		
Project Location / Address:		
City:	State:	Zip Code:
Point of Contact:	Dates of Work:	
Phone Number:	Fax Number:	
E-mail Address:		
Project Name:		
Brief Description of Project:		

Owner / Business Name:		
Project Location / Address:		
City:	State:	Zip Code:
Point of Contact:	Dates of Work:	
Phone Number:	Fax Number:	
E-mail Address:		
Project Name:		
Brief Description of Project:		

Owner / Business Name:		
Project Location / Address:		
City:	State:	Zip Code:
Point of Contact:	Dates of Work:	
Phone Number:	Fax Number:	
E-mail Address:		
Project Name:		
Brief Description of Project:		



***This document must be completed and returned with your Submittal***

**CONTRACTOR'S AFFIDAVIT**

State of Florida

County of \_\_\_\_\_

Before me personally appeared \_\_\_\_\_ who is (title) \_\_\_\_\_  
of (the company described herein) \_\_\_\_\_ being duly sworn, deposes and says that the foregoing statements are  
a true and accurate statement of the position of said organization as of the date thereof, and, that the statements and answers to the  
foregoing experience questionnaire are correct and true as of the date of this affidavit; and, that he/she understands that intentional  
inclusion of false, deceptive, or fraudulent statements of this application constitutes fraud; and, agrees to furnish any pertinent information  
requested by The Sumter County Board of County Commissioner deemed necessary to verify the statements made in this application or  
regarding the ability, standing and general reputation of the applicant.

Personally Known \_\_\_\_\_ or Produced Identification \_\_\_\_\_

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
NOTARY PUBLIC - STATE OF FLORIDA  
(Signature of Notary Public)

\_\_\_\_\_  
(Print Name of Notary Public)

(seal)

***This document must be completed and returned with your Submittal***

### DRUG FREE WORKPLACE CERTIFICATE

I, the undersigned, in accordance with Florida Statute 287.087, hereby certify that,

\_\_\_\_\_  
(print or type name of firm)

- Publishes a written statement notifying that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace named above, and specifying actions that will be taken against violations of such prohibition.
- Informs employees about the dangers of drug abuse in the work place, the firm's policy of maintaining a drug free working environment, and available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug use violations.
- Gives each employee engaged in providing commodities or contractual services that are under Proposals or bid, a copy of the statement specified above.
- Notifies the employees that as a condition of working on the commodities or contractual services that are under Proposals or bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, plea or guilty or nolo contendere to, any violation of Chapter 1893, or of any controlled substance law of the State of Florida or the United States, for a violation occurring in the work place, no later than five (5) days after such conviction, and requires employees to sign copies of such written (\*) statement to acknowledge their receipt.
- Imposes a sanction on, or requires the satisfactory participation in, a drug abuse assistance or rehabilitation program, if such is available in the employee's community, by any employee who is so convicted.
- Makes a good faith effort to continue to maintain a drug free work place through the implementation of the drug free workplace program.
- "As a person authorized to sign this statement, I certify that the above named business, firm or corporation complies fully with the requirements set forth herein".

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date Signed

State of: \_\_\_\_\_

County of: \_\_\_\_\_

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

Personally known \_\_\_\_\_ or Produced Identification \_\_\_\_\_  
(Specify Type of Identification)

\_\_\_\_\_  
Signature of Notary

My Commission Expires \_\_\_\_\_

(seal)

***This document must be completed and returned with your Submittal***

**STATEMENT OF “NO PROPOSALS”  
RFP # 015-0-2011/TC**

If you do not intend to submit a Proposal for this project, please complete and return this form prior to date shown for receipt of Proposals to: Sumter County BOCC, 7375 Powell Road, Suite 206, Wildwood, Florida 34785. Attn: Ms. Tina Chavez.

We, the undersigned, have declined to submit a Proposal for your **RFP # 015-0-2011/TC SUMTER COUNTY FIRE RESCUE REPLACEMENT OF ENGINES 21 & 34** for the following reasons:

- \_\_\_\_\_ Specifications are too “tight”, i.e. geared toward one brand or manufacturer only (please explain reason below)
- \_\_\_\_\_ Insufficient time to respond to Request for Proposals.
- \_\_\_\_\_ We do not offer this product/s or equivalent.
- \_\_\_\_\_ Remove us from your vendor’s list for this commodity or service.
- \_\_\_\_\_ Our product schedule would not permit us to perform to specifications.
- \_\_\_\_\_ Unable to meet specifications.
- \_\_\_\_\_ Unable to meet insurance requirements.
- \_\_\_\_\_ Specifications unclear (please explain below).
- \_\_\_\_\_ Competition restricted by pre-approved owner standards.
- \_\_\_\_\_ Other (please specify below or attach a separate sheet).

Remarks:

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“We understand that if this “No Proposals” letter is not executed and returned, our name may be deleted from the list of qualified proposers for the owner for future projects or commodities.”

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Signature and Title:

---

Telephone Number \_\_\_\_\_ Date \_\_\_\_\_

## **PART 5**

### **SCOPE OF SERVICES**

The Sumter County Board of County Commissioners is requesting Proposals from qualified firms for the **RFP # 015-0-2011/TC SUMTER COUNTY FIRE RESCUE REPLACEMENT OF ENGINES 21 & 34.**

#### **1. GENERAL DESCRIPTION OF APPARATUS:**

Model year 2011 Commercial Cab/ Chassis Fire Engine/ Pumper. Cab shall have at minimum four (4) doors, (2 per side front/ rear) and seating for a minimum of four (4), with a fully adjustable “air-ride” driver’s seat and four (4) “SCBA Seats for Firefighters”. A minimum 1,000 gal. water tank and 1,250 GPM pump must be provided. Pump Operator’s Control Panel shall be “side mount” on the left (driver’s side) of the apparatus. Fire Body shall be “Rescue / Engine Configuration” meaning high side compartments on both sides and a rear access compartment at the tailboard, under the hose bed. Side compartments shall number three (3) on each side, located as follows; one (1) in front of the rear axle, one (1) above the rear axle, and one (1) behind the rear axle. Roll up doors shall be used whenever possible. There shall be two cross-lay (“Mattydale-type” or “Speedlay”) hose troughs (accessible from each side) with 1.5” diameter male NST swivel discharges. At minimum, four (4) covered SCBA bottle compartments, two (2) on each side above the rear wheel well will be provided. There shall be 3” piping from the pump / discharge manifold for a deck gun terminating in a mounting flange. A fixed / easily removable “portable monitor and play pipe” capable of a discharging at least 1,000 GPM shall be provided. The N.F.P.A. Standard 1901 recommended compliment of ground ladders and pike poles for an Engine / Pumper will be supplied, and stored in a “through the tank” configuration, accessible from the rear tailboard of the apparatus. The ladder and pike pole storage compartment shall have a hinged, latchable access door, with the bottom of the compartment between 48 inches to 52 inches when measured from the ground to the floor of this compartment. The ladder access compartment will have a light that is activated when the ladder compartment access door is opened. N.F.P.A. Standard 1901 recommended compliment of fire extinguishers and fire axes shall be provided.

A hydraulic type ladder rack with (2) two hydraulic rams that lift the ladder rack up and down is an option.

Front bumper will be extended to accommodate a hose tray holding a minimum of 100 ft. of 1.75 in. diameter hose, with a 1.5 diameter male NST swivel provided. Bumper extension shroud shall be constructed of bright diamond plate aluminum. A Federal™ Q2 siren shall be provided; either built into or built onto the extended bumper assembly.

#### **2. CHASSIS:**

The chassis shall be a commercial truck chassis, minimum 35,000 pounds GVW with full four door cab. With air conditioning, heat, and four (4) roll down windows. Chassis must be year 2011 or later.

#### **3. SEATING CAPACITY:**

The minimum seating capacity in the cab shall be four (4), one (1) fully adjustable driver’s seat and three (3) firefighter seats.

#### **4. GVW RATING:**

The gross vehicle weight rating shall be a minimum as required to meet full loading requirements of the apparatus.

5. FRAME:

Factory commercial frame capable of safely and effectively supporting the GVW rating of the apparatus .

6. FRAME LINER/ REINFORCEMENTS:

Frame liner/ reinforcements will be provided as necessary for fire pump and tank mounting and fire body.

7. FRONT AXLE:

The front axle shall have a ground rating capacity of approximately one-third (1/3) of the total vehicle GVW.

8. FRONT SUSPENSION:

The front suspension shall have a ground capacity of approximately one-third (1/3) of the total vehicle GVW.

Double Acting Shock Absorbers shall be provided on the front axle.

9. REAR AXLE:

Rear axle shall have a ground rating capacity of approximately two-thirds (2/3) of the total vehicle GVW.

Double Acting Shock Absorbers shall be provided on the rear axle.

10. REAR SUSPENSION:

The rear suspension shall have a ground capacity of approximately two-thirds (2/3) of the total vehicle GVW.

11. PARKING BRAKE:

A parking brake shall be provided that will act on the rear axle wheel brake.

12. REAR AXLE RATIO:

The ratio of the rear axle shall be provided by the chassis manufacturer. The maximum top speed will be 70 to 73 MPH.

13. DUST SHIELDS:

The front and rear brakes shall be provided with dust shields.

14. ANTI-LOCK BRAKE SYSTEM:

The vehicle shall be equipped with an anti-lock braking system. The ABS will provide anti-lock braking control on both the front and rear wheels. This anti-lock brake system will eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

15. FRONT BRAKES:

Front axle breaking system shall be provided that will stop the apparatus within the distance from speed specified within NFPA standard 1901, applicable to year of chassis manufacture.

16. ENGINE EXHAUST BRAKE:

An engine exhaust brake shall be installed with the control located on the instrument panel within easy reach of the driver.

17. AIR COMPRESSOR, BRAKE SYSTEM:

The air compressor shall be provided with an air dryer including heater.

18. AIR INLET:

A single air inlet with male coupling shall be provided. It shall allow station air to be supplied to the apparatus brake system through a shoreline hose. The inlet shall be located on the driver side of the vehicle. A check valve shall be provided to prevent reverse flow of air. The inlet shall discharge into the "wet" tank of the brake system. A mating female coupling shall be provided with the loose equipment.

19. ENGINE ACCESSORIES:

Air Cleaner will be a Dry type, with restriction indicator in cab

Fuel Filters are Dual, with check valve

Governor shall be a speed limiting type

Lube Oil Cooler

20. ENGINE WARRANTY:

The engine (motor) shall come with the maximum mileage and age warranty provided by the manufacturer of the engine. The manufacturer of the engine (motor) will provide full warranty documentation and disclosure.

21. RADIATOR:

Will be a Pressurized System, Tube and Fin

Includes a De-aeration Tank and Sight Glass

Anti-Freeze Protection at -30 Degrees Fahrenheit



22. AIR INTAKE, w/EMBER SEPARATOR:

The air inlet shall be equipped with a stainless steel mesh to separate water and burning embers from the air intake system such that particulate matter larger than 0.039 in. (1.0 mm) in diameter cannot reach the air filter element.

This shall be in compliance with NFPA 1901 and 1906 standards.

23. EXHAUST SYSTEM:

A single exhaust terminus shall exit on the right side ahead of the rear wheels.

A heat deflector shield shall be provided where the tail pipe is routed under any side compartment(s).

24. HIGH IDLE:

A high idle switch shall be provided, inside the cab, on the instrument panel, that will automatically maintain a preset engine rpm. A switch will be installed, at the cab instrument panel, for activation/deactivation.

The high idle shall be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light will be provided, adjacent to the switch. The light will illuminate when the above conditions are met. The light will be labeled "OK to Engage High Idle".

25. COOLANT LINES:

High quality rubber hose shall be used for all engine coolant lines installed.

Hose clamps shall be the "constant torque type" to prevent coolant leakage. They will expand and contract according to coolant system temperature thereby keeping a constant clamping pressure on the hose.

26. FUEL TANK:

A minimum 50-gallon fuel tank shall be provided and mounted.

27. AUXILIARY FUEL COOLING SYSTEM:

A supplementary fuel cooling system shall be provided to allow the use of water from the discharge side of the pump for cooling the chassis engine fuel. The heat exchanger shall be a cylindrical type and will be a separate unit. The cooler shall operate any time the pump is discharging water and will be plumbed to the master drain valve.

28. TRANSMISSION:

An Allison, electronic torque converting automatic transmission shall be provided.

Two PTO openings shall be located on left side and top of converter housing.

A transmission temperature gauge or warning light shall be installed on cab instrument panel.

29. TRANSMISSION SHIFT CONTROL:

A push button shift module shall be mounted to right of driver. Shift position indicator shall be indirectly lit for after dark operation.

The transmission shall be a 5 speed automatic.

30. TRANSMISSION COOLER:

An external transmission oil cooler shall be provided.

31. TRANSMISSION WARRANTY:

The transmission shall have a five year/unlimited mileage warranty covering 100% parts and labor. The warranty shall be provided by Allison Transmission and not the apparatus builder.

32. DRIVELINE:

Drivelines shall have a heavy duty metal tube that is properly sized for the intended application. The shafts shall have a splined slip joint.

33. STEERING:

Steering shall consist be hydraulically assisted system.

The steering wheel shall have tilt adjustment.

34. WHEELS:

Front and rear wheels shall be appropriate for the size and GVW of the apparatus.

35. COVERS, LUG NUT, CHROME:

Stainless or polished lug nut covers shall be supplied on front and rear wheels.

36. THE CAB:

Cab Type: Conventional four door (engine forward)

- Accessories:

Tinted glass in all windows

Vinyl Upholstery

Floor mats are black or grey rubber.

There shall be Dual Sun visors.

Cab Entrance Handrails.

An Electric Windshield Washer.

Minimum Two-speed Electric Windshield Wipers, with delay.

Dome light and map light.

A Fresh Air Heater and Defroster

A Console to hold a minimum of 5 radios and a siren box to be constructed between driver and officer's seat.

An EMS Compartment 34x42x20 constructed behind officer seat on the rear wall of the crew cab, moving the seat behind officer closer to the center to allow for EMS compartment.

### 38. CREW CAB:

A crew cab (4-entrance doors) applicable to fire service use will be provided.

Crew cab shall be of the totally enclosed design, with access doors constructed in the same manner as the driver and passenger doors.

The entrance step surfaces shall be constructed out of a non-slip material, and shall be compliant with applicable N.F.P.A. Standards

Crew cab doors shall be located on the side of the cab.

The cab and crew cab shall be fully lined and insulated to enhance appearance, reduce noise and provide some control of ambient temperature inside the cab

All cab and crew cab doors shall contain a conventional roll down window.

Cab and crew cab shall be designed to optimize room and allow complete visual and audio communications between all fire fighters.

A slip resistant handrail shall be provided adjacent to all door openings to assist with entrance into the cab.

### 39. CAB ACCESS STEPS:

The left-hand cab and crew cab along with right-hand crew cab access steps shall be constructed of tread plate.

All stepping surfaces shall meet NFPA standards.

### 40. MIRRORS:

As a minimum 16.00" x 7.00" mirrors, with stainless steel finish, shall be provided.

8.00" convex mirrors shall be provided on each side.

Auxiliary down view mirror shall be provided above the passenger side door.

**41. FRONT BUMPER:**

A one piece, 10.00" high, steel bumper, shall front the extended bumper assembly. The extended bumper assembly shall incorporate a hose tray as defined below. A 1.5" NST male hose swivel shall be provided on the extended bumper assembly for use with the hose tray.

A 9.00" channel shall be mounted directly behind the bumper for additional strength. The bumper shall extend a sufficient distance from front face of cab to hold the required hose tray.

**42. FRONT BUMPER HOSE TRAY:**

A hose tray, constructed of aluminum, shall be placed in the center of the bumper extension.

The tray shall have a capacity of 100' of 1.75" double jacket cotton-polyester hose.

Black rubber grating shall be provided at the bottom of the tray. Drain holes are also provided.

**43. GRAVEL PAN:**

A gravel pan, constructed of bright aluminum tread plate, shall be furnished between the bumper and cab face.

The gravel pan shall be properly supported from the underside to prevent flexing and vibration of the aluminum tread plate.

**44. SIGHT RODS:**

Two Bores, model BG48-10, lighted sight rods shall be mounted to the outside corners of the front bumper extension. The rods shall be polished stainless steel.

**45. TOW HOOKS:**

Two steel tow hooks shall be installed under the bumper and attached to the front frame members. The tow hooks will be designed and positioned to allow up to a 6,000 pound straight horizontal pull in line with the centerline of the vehicle. The tow hooks will not be used for lifting of the apparatus.

**46. SEATING:**

Front seating inside the cab shall consist of an (1) air-ride driver seat and a (1) Officers SCBA officer seat.

Rear seating inside the crew shall consist of two (2) Firefighter SCBA seats. All seats shall be forward facing, located against the back wall of the crew cab.

Both outboard seats shall be furnished with a three point, shoulder type seat belts. There will be no center rear seat. The seat belts shall be furnished with automatic retractors. Extensions will be provided with the seat belts so the male end can be easily grasped and the female end easily located while sitting in a normal position.

47. AIR BOTTLE HOLDERS:

A Ziamatic SCBA holder shall be mounted in the back rest of the SCBA seat. This bracket will be compliant with NFPA 1901-04 Section 14.1.10.1 and shall include a backplate, two seats, a footplate and the model LLS ("Load & Lock") strap to hold the bottle in the bracket. The bracket seats shall be a "one size fits all" style seat and will accommodate SCBA cylinders from the high pressure 30-minute to the high pressure 60-minute. Seats shall be adjustable up and down by unbolting, relocating, and rebolting in the desired position. There will be a quantity of three.

48. ENGINE COMPARTMENT LIGHTS:

Two engine compartment lights shall be installed under the engine hood, of which the switches are an integral part.

49. AIR CONDITIONING:

Manufacturer's installed "factory air" shall be provided in the cab with outlets sufficient to cool the entire cab. Controls shall include integral heater and defroster. Provide as an **option**, cost to install RV type roof mounted Air conditioner (indicating BTU output).

50. CAB INSTRUMENTS:

Engine Temperature Gauge including Warning Buzzer

Engine Oil Pressure Gauge including Warning Buzzer

Speedometer including Odometer

Engine Tachometer

Engine Hour meter

Fuel Level Gauge

Voltmeter: Low voltage red warning light plus audible alarm

A Compartment Open Light

Air Brake Pressure Gauge

An Air Restriction Indicator

Automotive Fuses are for the overload protection of chassis electric circuits

An ignition Switch (Start) shall be provided.

Windshield Wiper Control with intermittent feature

Windshield Washer Controls

**51. EMERGENCY LIGHTING SWITCH PANEL:**

An emergency switch panel shall be provided in the cab. The switch panel shall be located overhead and on the cab instrument panel.

**52. BATTERY SYSTEM:**

A single starting battery system shall be provided consisting of three (3)-12 volt, 650 CCA, maintenance-free, group 31 batteries.

The batteries system shall have a total of 1950 CCA.

**53. MASTER BATTERY SWITCH:**

A master battery switch, to activate the battery system, shall be provided inside the cab within easy reach of the driver.

The master battery disconnect switch shall be wired between the starter solenoid and the remainder of the electrical loads on the apparatus.

A green "battery on" indicator light, visible from the driver's position shall be provided.

**54. BATTERY CHARGING RECEPTACLE:**

The battery charging receptacle location shall be on the left side, area of the cab.

**55. ALTERNATOR:**

The alternator shall be a Leece Neville or equivalent with a minimum capacity of 12-volts at 250 – 280 amps.

**56. ELECTRONIC LOAD MANAGEMENT:**

A Kussmaul Load Manager 2 or equivalent shall be provided on the apparatus. The device is an electronic load management (ELM) system that monitors the vehicles 12-volt electrical system, and automatically reduces the electrical load in the event of a low voltage condition and by doing so, ensures the integrity of the electrical system. The ELM shall monitor the vehicle's voltage while at the scene (parking brake applied). It will sequentially shut down individual electrical loads when the system voltage drops below a preset value. Two (2) separate electrical loads shall be controlled by the load manager. The ELM will sequentially re-energize electrical loads as the system voltage recovers.

**57. AMP DRAW REPORT:**

The bidder shall provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.

The manufacturer of the apparatus shall provide the following:

Documentation of the electrical system performance tests.

A written load analysis, which includes the following:

The nameplate rating of the alternator.

The alternator rating under the conditions specified per:

The minimum continuous load of each component specified per:

Additional loads when added to the minimum continuous load, determine the total connected load.

Each individual intermittent load.

All of the above listed items shall be provided by the bidder per the applicable NFPA 1901 or 1906 (Current Edition).

#### 58. EXTERIOR LIGHTING:

Exterior lighting shall meet or exceed Federal Department of Transportation, Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements in effect at this time.

Front headlights shall be halogen type and comply with all FMVSS requirements.

Five (5) clearance/marker lights shall be installed across the leading edge of the cab.

#### 59. WARNING LIGHTS (Cab Face):

A pair of flush mounted, Whelen model 60\*02F\*R (or equivalent), flashing Super LED lights shall be provided on the cab face.

The color of these lights shall be red.

These lights shall meet or exceed the NFPA required optical light output for the front lower zone.

A switch shall be provided inside the cab on the switch panel for actuation. These lights shall be installed without a flange.

#### 60. BACK-UP ALARM:

A solid state electronic audible back-up alarm that actuates when the truck is shifted into reverse shall be provided. The device shall sound at 60 pulses per minute and automatically adjust its volume to Maintain a minimum five (5) dba above surrounding environmental noise levels.

61. MANUAL, CHASSIS OPERATION:

Two (2) chassis operation manuals shall be provided with the completed unit.

62. ELECTRICAL WIRING DIAGRAMS:

Two (2) electrical wiring diagrams, prepared for the model of chassis and body, shall be provided.

63. WATER TANK:

Booster tank shall have a minimum capacity of 1000 gallons and be constructed of polypropylene plastic.

Tank joints and seams shall be nitrogen welded inside and out.

Tank shall be baffled in accordance with NFPA Bulletin 1901 requirements.

Longitudinal partitions shall be constructed of a minimum .38" polypropylene plastic and extends from the bottom of the tank through the top cover to allow for positive welding.

Transverse partitions shall extend from 4.00" off the bottom of the tank to the underside of the top cover.

All partitions shall interlock and will be welded to the tank bottom and sides.

Tank top shall be constructed of a minimum .50" polypropylene. It will be recessed .38" and shall be welded to the tank sides and the longitudinal partitions.

Tank top shall be sufficiently supported to keep it rigid during fast filling conditions.

Construction will include at a minimum 2.00" polypropylene dowels spaced no more than 30.00" apart and welded to the transverse partitions. Two (2) of the dowels shall be drilled and tapped (.50" diameter, 13.00" deep) to accommodate lifting eyes.

A Sump with a drain plug and the tank outlet.

Tank shall be installed in a metal fabricated cradle assembly.

Sufficient cross members shall be provided to properly support bottom of tank.

Cross members shall be constructed of metal bar channel or rectangular tubing.

Tank shall "float" in cradle to avoid torsional stress caused by chassis frame flexing.

Sufficient rubber cushions will be placed on all horizontal surfaces that the tank rests on.

Stops or other provision shall be provided to prevent an empty tank from bouncing excessively while moving vehicle. Mounting system shall be approved by the tank manufacturer. Fill tower shall be constructed of .50" polypropylene and will be a minimum of 8.00" wide x 14.00" long.



Fill tower shall be furnished of a minimum .25" thick polypropylene screen and a hinged cover. An overflow pipe, constructed of 4.00" schedule 40 polypropylene, shall be installed approximately halfway down the fill tower and extend through the water tank and dump to the rear of the rear axle.

64. WATER TANK WARRANTY:

The tank shall have a lifetime warranty by the tank manufacturer.

65. HOSE BED:

The hose body shall be fabricated of aluminum with approximately 38,000 psi tensile strength.

The hose body width shall be approximately 68.00" inside and the upper and rear edges of side panels have a double break for rigidity.

The upper inside area of the beavertails shall be covered with brushed stainless steel or aluminum to prevent damage to painted surface when hose is removed.

The flooring of the hose bed shall be removable aluminum grating with the top surface corrugated to aid in hose aeration. The grating slats shall be .50" x 4.50" with spacing between the slats for hose ventilation. Hose bed shall accommodate 1000 feet of 5.0" and 400 feet of 3.0" hose. Two adjustable hose bed dividers shall be furnished for separating hose. Each divider shall be constructed of a .25" aluminum sheet.

Each divider shall be fully adjustable by sliding in tracks, located at the front and rear of the hose bed. It shall be held in place by tightening bolts at each end.

Acorn nuts shall be installed on all bolts in the hose bed which have exposed threads.

Flat surfaces shall be sanded for uniform appearance, or constructed of brushed aluminum.

66. HOSE RESTRAINT:

The hose in the hose bed shall be restrained by red covering and secured around the top of the hose bed with push type snaps. Buckle type connectors will be used at the rear of the cover to secure to the apparatus.

67. RUNNING BOARDS:

Running boards shall be fabricated of .125" (minimum) bright aluminum treadplate.

Each running board shall be supported by a welded minimum 2.00" square tubing and channel assembly, which shall be bolted to the pump compartment substructure.

Running boards shall be approximately 12.75" deep and spaced .50" away from the pump panel. A splash guard shall be provided above the running board treadplate.

68. TAILBOARD:

Rear step shall also be constructed of a minimum .125" bright aluminum treadplate and spaced .50" from the body, as well as supported by a structural steel assembly.

The rear tailboard shall be approximately 16.00" deep.

Entire rear surface between the beavertails shall be covered with bright aluminum treadplate to protect the painted surface when removing hose.

Inside surface of each beavertail in the hose bed area shall be covered with brush stainless steel or aluminum to protect the paint finish.

#### 69. TOW EYES (Rear):

Two tow eyes shall be installed below the rear tailboard compartment, attached to the frame chassis.

The tow eyes shall be properly reinforced so that the truck can be pulled from the eyes.

#### 70. COMPARTMENTATION:

Body and compartments shall be fabricated of aluminum with a minimum tensile strength range of 31,000 to 38,000 psi.

Side compartments shall be an integral assembly with the rear fenders.

Circular fender liners shall be provided for prevention of rust pockets and ease of maintenance.

Compartment flooring shall be of the sweep out design with the floor higher than the compartment door lip.

Side compartment covers shall be separate from the compartment tops.

Front facing compartment walls shall be covered with bright aluminum treadplate.

All screws and bolts which protrude into a compartment shall have acorn nuts on the ends to prevent injury.

#### 71. UNDERBODY SUPPORT SYSTEM:

Due to the severe loading requirements of this pumper a method of body and compartment support suitable for the intended load shall be provided.

The backbone of the support system shall be the chassis frame rails which is the strongest component of the chassis and is designed for sustaining maximum loads.

The support system shall include a minimum of .25" formed vertical and horizontal steel angle supports bolted to the chassis frame rails with a minimum .625" diameter bolts.

A metal frame shall be mounted on the top of these supports to create a substructure which shall result in a 500 pound equipment support rating per lower side compartment and a 500 pound equipment support rating for the rear tailboard compartment.

The substructure shall be isolated from the horizontal members with neoprene elastomer isolators or equivalent. This isolation shall reduce the chassis flex from being transmitted to the body.

#### 72. AGGRESSIVE WALKING SURFACE:

All exterior surfaces designated as stepping, standing, and walking areas shall comply with the required average slip resistance of NFPA 1901.

#### 73. VENTILATION LOUVERS:

Ventilation shall be provided only to compartment walls to provide for airflow which house flammable liquids and gas powered tools. All other compartments shall not be ventilated.

#### 74. COMPARTMENTATION, DRIVER'S SIDE:

A full height, roll-up door compartment ahead of the rear wheels shall be provided.

The approximate interior dimensions of this compartment shall be 34.50" wide x 58.25" high x 25.88" deep in the lower 26.00" of the compartment and 12.00" deep in the remaining upper portion. The height of the compartment shall be measured from the compartment floor to the bottom edge of the door roll. The depth of the compartment shall be calculated with the compartment door closed. The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment shall be approximately 28.75" wide x 58.25" high.

Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.

A roll-up door compartment over the rear wheels shall be provided. The approximate interior dimensions of this compartment shall be approximately 66.50" wide x 25.38" high x 12.00" deep. The height of the compartment shall be measured from the compartment floor to the bottom edge of the door roll. The depth of the compartment shall be calculated with the compartment door closed. The clear door opening of this compartment shall be approximately 58.25" wide x 25.12" high. Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

A full height, roll-up door compartment behind the rear wheels shall be provided. The approximate interior dimensions of this compartment shall be approximately 47.50" wide x 58.25" high x 25.88" deep in the lower 26.00" of height and 12.00" deep in the remaining upper section of the compartment. The height of the compartment shall be measured from the compartment floor to the bottom edge of the door roll. The depth of the compartment shall be calculated with the compartment door closed. The compartment interior shall be fully open from the compartment ceiling to the compartment floor and

designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment shall be approximately 44.75" wide x 58.25" high. Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

#### 75. COMPARTMENTATION, PASSENGER'S SIDE:

A full height, roll-up door compartment ahead of the rear wheels shall be provided.

The interior dimensions of this compartment shall be approximately be 34.50" wide x 58.25" high x 25.88" deep in the lower 26.00" of the compartment and 12.00" deep in the remaining upper portion. The height of the compartment shall be measured from the compartment floor to the bottom edge of the door roll. The depth of the compartment shall be calculated with the compartment door closed. The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that no permanent dividers are required between the upper and lower sections. The clear door opening of this compartment shall be approximately 28.75" wide x 58.25" high. Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand

A roll-up door compartment over the rear wheels shall be provided. The interior dimensions of this compartment shall be approximately 66.50" wide x 25.38" high x 12.00" deep. The height of the compartment shall be measured from the compartment floor to the bottom edge of the door roll. The depth of the compartment shall be calculated with the compartment door closed. The clear door opening of this compartment will be approximately 58.25" wide x 25.12" high. Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.

A full height, roll-up door compartment behind the rear wheels shall be provided. The interior dimensions of this compartment shall be approximately 47.50" wide x 58.25" high x 12.00" deep. A section of this compartment will be approximately 25.88" deep x 47.50" wide x 26.00" high directly behind the rear wheels. The height of the compartment shall be measured from the compartment floor to the bottom edge of the door roll. The depth of the compartment shall be calculated with the compartment door closed. The compartment interior shall be fully open from the compartment ceiling to the compartment floor and designed so that, no permanent dividers are required, between the upper and lower sections. The clear door opening of this compartment shall be approximately 44.75" wide x 58.25" high. Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

#### 76. ROLL-UP DOOR(S):

Six side compartment doors and one rear compartment door with a finish that is an anodized satin finish shall be installed on the side compartments. These roll-up style doors shall be double faced, aluminum construction, and manufactured by A&A Manufacturing (Gortite) or equivalent.

Lath sections shall be an interlocking rib design and will be individually replaceable without complete disassembly of door.

Between each slat at the pivoting joint shall be a PVC inner seal to prevent metal to metal contact and prevent dirt or moisture from entering the compartments. Seals shall allow door to operate in extreme temperatures ranging from plus 180 to minus 40 degrees Fahrenheit. Side, top and bottom seals shall be provided to resist ingress of dirt and weather and be made of Santoprene.

All hinges, barrel clips and end pieces shall be nylon 66. All nylon components shall withstand temperatures from plus 300 to minus 40 degrees Fahrenheit. Hardened plastic shall not be acceptable.

A polished stainless steel lift bar shall be provided for each roll-up door. The lift bar shall be located at the bottom of door and have latches on the outer extrusion of the doors frame. A ledge shall be supplied over lift bar for additional area to aid in closing the door.

Door(s) shall be constructed from an aluminum box section. The exterior surface of each slat shall be flat. The interior surfaces shall be concave to provide strength and prevent loose equipment from jamming the door from inside.

To conserve space in the compartment(s), the spring roller assembly shall not exceed 3.00" in diameter. A roll-up door that retracts below the compartment ceiling (garage door style) will not acceptable.

The header for the roll-up door assembly shall not exceed 4.00".

A heavy-duty magnetic switch shall be used for control of "open compartment door" warning lights.

All mechanical components of the door shall be warranted to be free from defects in materials and workmanship for the lifetime of the vehicle. All parts covered under this warranty shall be to the original owner.

The roll up doors exterior paint finish shall be warranted against blistering, peeling, bubbling, lack of adhesion or any other manufacturing or material defect for a period of six (6) years.

The roll up doors shall also be warranted against corrosion perforation for a period of ten (10) years.

#### 77. COMPARTMENTATION, REAR:

A roll-up door compartment above the rear tailboard shall be provided.

Interior dimensions of this compartment shall be approximately 40.00" wide x 54.13" high x 25.88" deep in the lower 45.25" of height and 15.75" deep in the remaining upper portion. Depth of the compartment shall be calculated with the compartment door closed.

Rear compartment shall open into the rear side compartments. Clear door opening of this compartment shall be approximately 33.25" wide x 45.25" high Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.

78. PULL-OUT TRAY:

There shall be three (3) slide-out trays, without sides, and a capacity of 500 pounds provided.

Capacity rating shall be in the extended position.

Slides shall be General Device ball bearing or equivalent type for ease of operation and years of dependable service.

Automatic locks shall be provided for both the "in" and "out" positions. The trip mechanism for it shall be located at the front of the tray for ease of use with a gloved hand.

Tray locations shall be in the Left Rear, Right Rear and Rear compartments.

79. ADJUSTABLE TRAY:

There shall be five shelves, with a minimum capacity of 215 pounds provided. The shelf construction will consist of .125" (minimum) pan-shaped aluminum with 2.00" sides. Each shelf will be infinitely adjustable.

The location shall be one in each compartment, excluding over wheel compartments.

80. MOUNTING TRACKS:

There shall be five sets of tracks for mounting shelf(s) in each compartment with shelves. These tracks shall be installed vertically to support the adjustable shelf(s).

81. RUB RAIL:

Bottom edge of the side compartments shall be trimmed with a bright aluminum extruded rub rail.

Trim shall be a minimum of 2.00" high with 1.38" flanges turned outward for rigidity.

The rub rails shall not be an integral part of the body construction, which allows replacement in the event of damage.

82. HARD SUCTION HOSE:

Two lengths of 6.00" Kocheek clear corrugated PVC hard suction hose or equivalent, 10' in length, shall be provided. The hose shall be equipped with a long handle female coupling on one end and a rocker lug male coupling on the other end. Couplings will be hard coated aluminum.

83. HOSE TROUGHS:

Troughs for hard suction hose shall be provided; either two on top of the left side body compartments, or one on each side of fire body; left and right

Troughs shall be V-shaped or J-shaped. The hose shall be held in place by securing devices approved by the customer.

Troughs shall be constructed of aluminum and painted job color.

84. HANDRAILS:

The handrails shall be 1.25" diameter anodized aluminum extrusion, with a ribbed design, to provide a positive gripping surface.

Aluminum, stainless steel or chrome end stanchions shall support the handrail. Plastic gaskets shall be used between end stanchions and any painted surfaces.

Drain holes shall be in the bottom of all vertically mounted handrails. - Two handrails shall be provided - one above each side pump panel.

One vertical handrail, not less than 29.00" long, shall be located on each rear beavertail. One full width horizontal handrail shall be provided below the hose bed at the rear of the apparatus.

85. AIR BOTTLE STORAGE:

A minimum of four air bottle compartments shall be provided, two each side of the body.

86. GROUND LADDERS:

The following Duo-Safety or equivalent ladders shall be furnished and must meet or exceed the latest NFPA standards:

24', two section, aluminum, Series 900-A or equivalent

14' roof, aluminum, Series 775-A or equivalent

87. LADDER STORAGE:

The ladders shall be stored through the fire body, either in the center, toward either side or on hydraulic ladder rack that raises up and down, activated by switch

Should the ladders extend into the pump compartment, a ladder stop shall be provided to prevent the ladders from contacting any pump or plumbing components.

The ladder storage area may be totally enclosed; or stopped as above at the front if it extends into the pump compartment.

Each ladder shall be stored on a separate rack or guide for individual removal from the storage area.

Ladder may be stored on hydraulic ladder rack (over the top) type on officers side of apparatus.

A pair of pike pole storage tubes and an area for a folding ladder shall also be provided.

The rear of the ladder storage area shall have a hinged single door with a latchable closing device and a supplied strut or spring to hold the door when in the open position.

The height of the floor of the ladder storage compartment shall be not more than 48 inches to 52 inches, when measured from the ground.

The ladder storage compartment may be either vertical or horizontal, depending on the manufacturer's design and engineering

**88. FOLDING LADDER:**

One 10' aluminum, Series 585-A Duo-Safety or equivalent folding ladder shall be installed in the pike pole/folding ladder compartment.

**89. PIKE POLE, 6':**

One pike pole 6' long Akron or equivalent with a fiberglass handle shall be provided and located in ladder compartment.

**90. PIKE POLE, 10':**

One pike pole 10' long Akron or equivalent with a fiberglass handle shall be provided and located in ladder compartment.

**91. REAR FOLDING STEPS:**

Chrome Eberhard or equivalent folding steps and corner steps shall be provided at the rear. All steps shall provide adequate surface for stepping.

Two additional folding steps, Eberhard or equivalent, shall be located on front of body, driver side, at pump panel.

**92. MIDSHIP FIRE PUMP :**

Midship fire pump shall be a 1250 gpm, single stage, midship mounted, centrifugal type.

Pump shall be the class "A" type.

Pump shall deliver the percentage of rated discharges at the pressures indicated below:

- 100% of rated capacity at 150 psi net pump pressure.
- 100% of rated capacity at 165 psi net pump pressure.
- 70% of rated capacity at 200 psi net pump pressure.
- 50% of rated capacity at 250 psi net pump pressure.

Entire pump, both suction and discharge passages shall be hydrostatically tested to a pressure of 500 psi.

Pump shall be fully tested at the pump manufacturer's factory to the performance requirements as outlined by the latest edition of NFPA 1901, and shall be free from objectionable pulsation and vibration.

The pump body and related parts shall be of fine grain alloy cast iron, with a minimum tensile strength of 30,000 psi. All moving parts in contact with water shall be of high quality bronze or stainless steel.



Pump body shall be split, on a single plane for easy removal of entire impeller assembly, including wear rings and bearings from beneath the pump, without disturbing pump piping or the mounting of the pump in the chassis.

Pump impeller shall be hard, fine grain bronze of the mixed flow design, accurately machined, hand-ground, and individually balanced. The vanes of the impeller intake eyes shall be hand-ground and polished to a sharp edge, and is of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.

Pump shaft shall be electric furnace, heat-treated, corrosion resistant stainless. Pump shaft shall be sealed with double oil seal to keep road dirt and water out of drive unit.

Pump shaft shall be rigidly supported by three bearings for minimum deflection. The bearings shall be heavy duty, deep groove ball bearings in the gearbox and they will be splash lubricated.

#### 93. MECHANICAL SEAL ON PUMP:

Only one mechanical seal shall be required on the suction (inboard) side of the pump.

The mechanical seal shall be two (2.00) inches in diameter and shall be spring loaded, maintenance-free, and self-adjusting.

The mechanical seal construction shall be a carbon sealing ring, stainless steel coil spring, Viton rubber boot, and a tungsten carbide seat with a Teflon backup seal.

#### 94. PUMP TRANSMISSION:

The drive unit shall be cast and completely manufactured and tested at the pump manufacturer's factory. The pump drive unit shall be of sufficient size to withstand up to 16,000 foot/ pounds of torque from the engine in both the road and pump operating conditions. The drive unit is shall be designed with ample lubrication reserve to maintain the proper operating temperature.

The gearbox drive shafts shall be of heat treated chrome nickel steel and 2.75" in diameter on both the input and output drive shafts. They shall be designed to withstand the full torque of the engine in both road and pump operating conditions.

All gears both drive and pump, shall be of the highest quality, electric furnace, and chrome nickel steel. Bores shall be ground to size and teeth integrated, crown-shaved and hardened, to give an extremely accurate gear for long life, smooth, quiet running and higher load carrying capability. An accurately cut spur design shall be provided to eliminate all possible end thrust.

The manufacturer shall select the pump ratio to provide the maximum performance with the engine and transmission selected. Three green warning lights shall be provided to indicate to the operator(s) when the pump has completed the shift from Road to pump position. Two lights shall be located in the truck driving compartment and one light on pump operator's panel adjacent to the throttle control.

95. AIR PUMP SHIFT:

Pump shift engagement shall be made by a two position sliding collar, actuated pneumatically (by air pressure), with a three position air control switch located in the cab. A manual back-up shift control shall also be located on the driver's side pump panel.

Two indicator lights shall be provided adjacent to the pump shift inside the cab. One green light shall indicate the pump shift has been completed and be labeled "pump engaged". The second green light shall indicate when the pump has been engaged and the chassis transmission is in pump gear. This indicator light shall be labeled "OK to pump".

Another green indicator light shall be installed on the pump panel and indicate either the pump is engaged and the road transmission is in pump gear, or the road transmission is in neutral and the pump is not engaged. This light shall be labeled "Warning: Do not open throttle unless light is on".

96. TRANSMISSION LOCK-UP:

The direct gear transmission lock-up for the fire pump operation shall engage automatically when the pump shift control, in the cab, is activated.

97. AUXILIARY COOLING SYSTEM:

A supplementary heat exchange cooling system shall be provided to allow the use of water from the discharge side of the pump for cooling the engine water. The heat exchanger shall be cylindrical type and shall be a separate unit. The heat exchanger shall be installed in the pump or engine compartment with the control located on the pump operator's control panel. Exchanger shall be plumbed to the master drain valve. The engine water lines shall be run inside plastic conduit.

98. INTAKE RELIEF VALVE:

A relief valve shall be installed on the suction side of the pump preset at 125 psig.

Relief valve shall have a working range of 75 psig to 250 psig.

Outlet shall terminate below the frame rails shall a 2.50" National Standard hose thread adapter and shall have a "do not cap" warning tag.

Control shall be located behind an access door at the right (passenger's) side pump panel.

99. PRESSURE GOVERNOR and ENGINE MONITORING DISPLAY

Fire Research "PumpBoss" series PBA401-D00 or equivalent pressure governor and monitoring display unit shall be appropriately installed. The control module case shall be waterproof. The control knob shall be 2" in diameter with no mechanical stops, have a serrated grip, and a red idle push button in the center. It shall not extend more than 1 3/4" from the front of the control module. Inputs for monitored information shall be from a J1939 data bus or independent sensors. Outputs for engine control shall be on the J1939 data bus or engine specific wiring.

The following continuous displays shall be provided:

Engine RPM; shown with four daylight bright LED digits more than 1/2" high

Check engine and stop engine warning LEDs

Engine oil pressure; shown on a dual color (green/red) LED bar graph display

Engine coolant temperature; shown on a dual color (green/red) LED bar graph display

Transmission Temperature: shown on a dual color (green/red) LED bar graph display

Battery voltage; shown on a dual color (green/red) LED bar graph display

Pressure and RPM operating mode LEDs

Pressure / RPM setting; shown on a dot matrix message display

Throttle ready LED.

The dot-matrix message display shall show diagnostic and warning messages as they occur. It shall show monitored apparatus information, stored data, and program options when selected by the operator. All LED intensity shall be automatically adjusted for day and night time operation.

The program shall store the accumulated operating hours for the pump and engine to be displayed with the push of a button. It shall monitor inputs and support audible and visual warning alarms for the following conditions:

High Battery Voltage

Low Battery Voltage (Engine Off)

Low Battery Voltage (Engine Running)

High Transmission Temperature

Low Engine Oil Pressure

High Engine Coolant Temperature

Out of Water (visual alarm only)

No Engine Response (visual alarm only).

The program features shall be accessed via push buttons located on the front of the control module. There shall be a USB port located at the rear of the control module to upload future firmware enhancements.

The governor shall operate in two control modes, pressure and RPM. No discharge pressure or engine RPM variation shall occur when switching between modes. A throttle ready LED shall light when the interlock signal is recognized. The governor shall start in

pressure mode and set the engine RPM to idle. In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator. In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase. The governor shall limit a discharge pressure increase in RPM mode to a maximum of 30 psi. Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle. Shall be a "Pump Boss" type governor.

The pressure governor and display shall be programmed to interface with the apparatus engine.

#### 100. PRIMING PUMP:

Priming pump shall be a positive displacement vane type, electrically driven, and conforming to standards outlined in NFPA 1901.

One priming control shall both open the priming valve and start the priming motor.

Primer shall be environmentally safe, self lubricating style.

#### 101. PUMP WARRANTY:

A two-year warranty shall be provided for the pump.

#### 102. PUMP MANUALS:

Two (2) pump manuals from the pump manufacturer shall be furnished with the apparatus.

The manuals shall cover pump operation, maintenance, and parts.

#### 103. PLUMBING:

All inlet and outlet plumbing, 3.00" and smaller, shall be plumbed with either stainless steel pipe or synthetic rubber hose reinforced with hi-tensile polyester braid. Small diameter secondary plumbing such as drain lines shall be stainless steel, brass or hose.

Where vibration or chassis flexing may damage or loosen piping or where a coupling is required for servicing, the piping shall be equipped with victaulic or rubber couplings.

Plumbing manifold bodies shall be ductile cast iron or stainless steel.

All lines to drain through either a master drain valve or shall be equipped with individual drain valves. All individual drain lines for discharges shall be extended with a hose to drain below the chassis frame.

All water carrying gauge lines shall be of flexible polypropylene tubing.

#### 104. PUMP PLUMBING WARRANTY:

Except as provided below, and provided the vehicle shall have been placed in service within sixty days after delivery to the original purchaser as established by our original invoice, for a period ending on the first to occur of the expiration of ten years or 100,000 miles of vehicle use after delivery to the original purchaser, The manufacturer warrants to the user that the stainless steel piping that is 3.00" and smaller in diameter in its first Fire and Rescue Apparatus vehicles shall be free of structural failures caused by defective design, workmanship, or perforation caused by corrosion. This limited warranty shall apply only if the vehicle is properly maintained and used in service which is normal to the particular vehicle. Normal service means service which does not subject the vehicle to stresses or impacts greater than normally result from the careful use of the vehicle or chassis. If the buyer discovers a defect or nonconformity it must notify the manufacturer in writing within thirty days after the date of discovery. This limited warranty is not transferable by the first user.

The manufacturer's obligation under this warranty is limited to repairing or replacing without charge, as the manufacturer may elect, the stainless steel piping or components which the manufacturer determines to have failed due to defective design, workmanship, or perforation caused by corrosion.

A copy of the manufacture's warranty shall be included with this proposal.

105. MAIN PUMP INLETS:

A 6.00" pump manifold inlet shall be provided on each side of the vehicle. The suction inlets shall include removable die cast zinc screens that are designed to provide cathodic protection for the pump, thus reducing corrosion in the pump.

The main pump inlets shall have National Standard Threads with a long handle chrome cap. The cap shall be the pressure releasing.

All ball valves shall be Akron Brass. The Akron valves shall be the 8000 series (or equivalent) heavy-duty style with a stainless steel ball and a simple two-seat design. No lubrication or regular maintenance is required on the valve.

106. INLETS ADDITIONAL (3):

One 2.50" auxiliary suction intake, terminating in 2.50" National Standard Hose Thread will be positioned in the following locations, left and right side of the pump, and rear of apparatus. The auxiliary suction intakes shall be provided with a strainer, chrome swivel and plug. The location of the valve for the each inlet shall be recessed behind the pump panel.

107. ANODE, INLET:

A pair of sacrificial zinc anodes shall be provided in the water pump inlets to protect the pump from corrosion.

108. INLET CONTROL:

Control for the side and rear auxiliary inlet(s) shall be located at the inlet valve.

109. INLET BLEEDER VALVE:

A .75" ball type bleeder valve shall be provided for each side gated inlet. The valves shall be located behind the panel with a hand wheel type knob for the control extended to the outside of the panel. The water that is discharged by the valve shall be routed below the chassis frame rails.

110. TANK TO PUMP:

The booster tank shall be connected to the intake side of the pump with heavy duty piping and a quarter turn 3.00" full flow line valve with the control remotely located at the operator's panel. Tank to pump line to run straight (no elbows) from the pump into the front face of the water tank and angle down into the tank sump. A rubber coupling shall be included in this line to prevent damage from vibration or chassis flexing. A check valve shall be provided in the tank to pump the supply line to prevent the possibility of "back filling" the water tank.

111. TANK REFILL:

A 1.50" combination tank refill and pump re-circulation line shall be provided, using a quarter-turn full flow ball valve controlled from the pump operator's panel.

112. DISCHARGE OUTLETS (Left Side):

There shall be two discharge outlets with a 2.50" valve on the left side of the apparatus, terminating with a male 2.50" National Standard hose thread adapter.

113. DISCHARGE OUTLETS (Right Side):

There shall be one (1) discharge outlet with a 3.00" valve and one (1) 2.50" valve on the right side of the apparatus, terminating with 3.00" and 2.50" (respectively) male National Standard hose thread adapter.

114. DISCHARGE OUTLET (Front):

There shall be a 1.50" gated discharge outlet plumbed to the lower portion of the tray located in the center front bumper extension.

The discharge shall have a 90-degree swivel and terminate with 1.50" NHT.

Plumbing shall consist of 2.00" piping with a 2.00" full flow ball valve controlled at the pump operator's panel.

Automatic drains shall be provided at all low points in the plumbing.

115. DISCHARGE OUTLET (Rear):

There shall be one discharge outlet piped to the rear of the hose bed, on driver's side, installed so proper clearance is provided for spanner wrenches or adapters. Plumbing shall consist of 2.50" piping along with a 2.50" full flow ball valve with the control from the pump operator's panel.

116. DISCHARGE CAPS:

Chrome plated, rocker lug, caps with chains shall be furnished for all side discharge outlets.

The caps should be designed to automatically relieve stored pressure in the line when disconnected.

117. OUTLET BLEEDERS:

A .75", quarter turn type, bleeder valve shall be provided for each outlet 1.50" or larger. Automatic drain valves may be used with some outlets where appropriate. The valves shall be located behind the panel with a hand wheel type control extended to the outside of the side pump panel. Bleeders shall be located in a horizontal line at the bottom of the pump panel. They shall be properly labeled identifying the discharge they are plumbed in to. The water discharged by the bleeders shall be routed below the chassis frame rails.

118. ELBOWS, LEFT SIDE OUTLETS:

The 2.50" discharge outlets, located on the left side pump panel, shall be furnished with a 2.50"(F) National Standard hose thread x 2.50"(M) National Standard hose thread, chrome plated, 45 degree elbow.

119. ELBOWS, RIGHT SIDE OUTLETS:

The 3.00" discharge outlets, located on the right side pump panel, shall be furnished with a 3.00"(F) National Standard hose thread x 3.00"(M) National Standard hose thread, chrome plated, 45 degree elbow.

120. ELBOWS, REAR OUTLETS:

The 2.50" discharge outlets, located at the rear of the apparatus, shall be furnished with a 2.50"(F) National Standard hose thread x 2.50"(M) National Standard hose thread, chrome plated, 45 degree elbow.

121. DISCHARGE OUTLET CONTROLS:

The discharge outlets shall incorporate a quarter-turn ball valve with the control located at the pump operator's panel. The valve operating mechanism shall indicate the position of the valve. If a hand wheel control valve is used, the control shall be a minimum of a 3.9" diameter chrome plated hand wheel with a dial position indicator built in to the center of the hand wheel.

122. DELUGE RISER:

A 3.00" deluge riser shall be installed above the pump in such a manner that a monitor can be mounted and used effectively. Piping shall be rigidly braced and installed securely so no movement develops when the line is charged. The riser shall be gated and controlled at the pump operator's panel.

123. MONITOR:

An Elkhart Model 8297 "Stinger" monitor or equivalent shall be properly installed on the deluge riser. A shaper tube with quad stacked tips shall be furnished with the monitor. This monitor shall include both the fixed base and the portable base with one 4" inlet. The monitor shall be painted to match the body.

The deluge riser shall have male National Pipe Threads for mounting the monitor.

124. CROSSLAY HOSE BEDS:

Two crosslays with 1.50" outlets shall be provided. Each bed shall be capable of carrying 200 feet of 1.75" double jacketed hose and shall be plumbed with 2.00" i.d. pipe and gated with a 2.00" quarter turn ball valve. Outlets to be equipped with a 1.50" National Standard hose thread 90 degree swivel located in the hose bed so that hose may be removed from either side of apparatus. The crosslay controls shall be at the pump operator's panel. The center crosslay dividers shall be fabricated of .25" aluminum and shall provide adjustment from side to side. The divider shall be unpainted with a DA finish. The remainder of the crosslay bed shall be painted job color. Vertical scuff plates, constructed of stainless steel, shall be provided at the front and rear ends of the bed on each side of vehicle. Crosslay bed flooring shall consist of removable perforated brushed aluminum.

125. CROSSLAY/SPEEDLAY HOSE RESTRAINT:

Elastic netting shall be provided across the top and on the ends of two (2) cross lay(s)/speed lay(s) to secure the hose during travel.

126. PUMP COMPARTMENT:

The pump compartment shall be separate from the hose body and compartments so that each may flex independently of the other. It shall be a fabricated assembly of steel tubing, angles and channels which supports both the fire pump and the side running boards. The pump compartment shall be mounted on the chassis frame rails with rubber biscuits in a four point pattern to allow for chassis frame twist.

Pump compartment, pump, plumbing and gauge panels shall be removable from the chassis in a single assembly.

127. PUMP MOUNTING

Pump shall be mounted to a substructure which shall be mounted to the chassis frame rail using rubber isolators. The mounting shall allow chassis frame rails to flex independently without damage to the fire pump.

129. PUMP CONTROL PANELS (Left Side Control):

All pump controls and gauges shall be located at the left (driver's) side of the apparatus and properly identified, arranged and installed in an organized manner that will provide user-friendly operation.



Layout of the pump control panel shall be ergonomically efficient and systematically organized.

The pump operator's control panel shall be removable for ease of maintenance:

The upper section shall contain sub panels for the mounting of the pump pressure control device, engine monitoring gauges, electrical switches, and foam controls (if applicable). Sub panels shall be removable from the face of the pump panel for ease of maintenance. Below the sub panels shall be located all valve controls and line pressure gauges.

The lower section of the panel shall contain all inlets, outlets, and drains.

All push/pull valve controls shall have 1/4 turn locking control rods with polished chrome plated zinc tee handles. Guides for the push/pull control rods shall be chrome plated zinc castings securely mounted to the pump panel. Push/pull valve controls shall be capable of locking in any position. The control rods shall pull straight out of the panel and shall be equipped with universal joints to eliminate binding.

#### 130. IDENTIFICATION TAGS:

The identification tag for each valve control shall be recessed in the face of the tee handle. All discharge outlets shall have color coded identification tags, with each discharge having its own unique color. Color coding shall include the labeling of the outlet and the drain for each corresponding discharge.

All line pressure gauges shall be mounted directly above the corresponding discharge control tee handles and recessed within the same chrome plated casting as the rod guide for quick identification. The gauge and rod guide casting shall be removable from the face of the pump panel for ease of maintenance. The casting shall be color coded to correspond with the discharge identification tag.

All remaining identification tags shall be mounted on the pump panel in chrome plated bezels.

The pump panel on the right (passenger's) side shall be removable with lift and turn type fasteners.

Trim rings shall be installed around all inlets and outlets.

The trim rings for the side discharge outlets shall be color coded and labeled to correspond with the discharge identification tag.

#### 131. PUMP AND GAUGE PANEL:

The pump and gauge panels shall be constructed of black vinyl covered aluminum to allow easy identification of the gauges and controls and to eliminate glare.

The black vinyl shall be bonded to aluminum by the company that supplies the metal. A polished aluminum trim molding shall be provided on both sides of the pump panel. The passenger's side pump panel shall be removable and fastened with swell type fasteners.

### 132. PUMP PANEL GAUGES AND CONTROLS:

The following shall be provided on the pump and gauge panels in a neat and orderly fashion:

Class 1 Enfo 4 System (or equivalent): With LED display of the engine oil pressure, engine temperature and engine rpm. A warning alarm shall be provided for these items.

Tachometer: Electric

Voltmeter

Also provided at the pump panel shall be the following:

Master Pump Drain Control

Check Transmission Warning Indicator Light Stop  
Engine Warning Indicator Light

Check Engine Warning Indicator Light.

### 133. GAUGES, VACUUM and PRESSURE:

The pump vacuum and pressure gauges shall be silicone filled and manufactured by Class 1 or equivalent, Inc. The gauges will be a minimum of 4.00" in diameter and shall have white faces with black lettering, with a pressure range of 30" – 0 - 600 psi. The pump pressure and vacuum gauges shall be installed adjacent to each other at the pump operator's control panel. Test port connections shall be provided at the pump operator's panel. One shall be connected to the intake side of the pump, and the other to the discharge manifold of the pump. They shall have 0.25 in. standard pipe thread connections and polished stainless steel plugs. They shall be marked with a label.

### 134. PRESSURE GAUGES:

The individual "line" pressure gauges for the discharges shall be Class 1 interlube filled.

They shall be 2.50" in diameter and have white faces with black lettering.

Gauges shall have a pressure range of 30" - 0 – 400 psi.

The individual pressure gauge shall be installed as close to the outlet control as practical.

### 135. WATER LEVEL GAUGE:

An electronic water level gauge shall be provided on the operator's panel that registers water level by means of five colored LED lights. The lights will be durable, ultra-bright five LED design viewable through 180 degrees. The water level indicators shall be as follows: 100%=Green 75%=Yellow 50%=Yellow 25%=Yellow Refill = Red

The light shall flash when the level drops below the given level indicator to provide an eighth of a tank indication.

To further alert the pump operator, the lights shall flash sequentially when the water tank is empty. The level measurement shall be based on the sensing of head pressure of the fluid in the tank. The display shall be constructed of a solid plastic material with a chrome plated die cast bezel to reduce vibrations that can cause broken wires and loose electronic components. The encapsulated design shall provide complete protection from water and environmental elements. An industrial pressure transducer shall be mounted to the outside of the tank. The field calibratable display measures head pressure to accurately show the tank level.

#### 136. LIGHT SHIELD:

Illumination shall be provided for controls, switches, essential instructions, gauges, and instruments necessary for the operation of the apparatus and the equipment provided on it. External illumination shall be a minimum of 5 foot-candles on the face of the device. Internal illumination will be a minimum of four foot lamberts.

Lights shall be installed under a stainless steel shield. One pump panel light shall come on at the operator's panel when the pump is shifted into gear from inside the cab. This is to afford the operator some illumination when first approaching the control panel. The remaining lights to be actuated from a switch located on the pump panel.

#### 137. ELECTRICAL:

All 12-volt electrical equipment installed by the apparatus manufacturer shall conform to modern automotive practices. All wiring will be high temperature crosslink type. Wiring shall be run in loom or conduit where exposed and have grommets where wire passes through sheet metal. Automatic reset circuit breakers shall be provided which conform to SAE Standards. Wiring shall be color, function and number coded. Function and number codes shall be continuously imprinted on all wiring harness conductors at 2.00" intervals.

Exterior exposed wire connectors will be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids.

Electrical wiring and equipment shall be installed utilizing the following guidelines:

All holes made in the roof shall be caulked with silicon. Large fender washers, liberally caulked, shall be used when fastening equipment to the underside of the cab roof.

Any electrical component that is installed in an exposed area shall be mounted in a manner that will not allow moisture to accumulate in it. Exposed area is defined as any location outside of the cab or body.

Electrical components designed to be removed for maintenance shall not be fastened with nuts and bolts. Metal screws will be used in mounting these devices. Also a coil of wire shall be provided behind the appliance to allow them to be pulled away from mounting area for inspection and service work.

Corrosion preventative compound shall be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections shall require this compound in the plug to prevent corrosion and for easy separation (of the plug).

All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.

All electrical terminals in exposed areas shall have silicon (1890) applied completely over the metal portion of the terminal. All emergency light switches shall be mounted on a separate panel installed in the cab. A master warning light switch and individual switches shall be provided to allow pre-selection of emergency lights.

The light switches shall be "rocker" type with an internal indicator light to show when switch is energized. All switches shall be properly identified and mounted in a removable panel for ease in servicing. Identification of the switches shall be done by either printing or etching on the switch panel. The switches and identification shall be illuminated.

All lights and reflectors, required to comply with Federal Motor Vehicle Safety Standard #108, shall be furnished. Rear identification lights shall be recessed mounted for protection. Lights and wiring mounted in the rear bulkheads shall be protected from damage by installing a false bulkhead inside the rear compartments. An operational test shall be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order. The results of the tests shall be recorded and provided to the purchaser at time of delivery.

#### 138. STEP LIGHTS:

Four Ri-Tar, Model M27HW2 LED or equivalent, step lights shall be provided. One step light shall be provided on each side, on the front compartment face and two step lights at the rear to illuminate the tailboard. These step lights shall be actuated with the pump panel light switch.

#### 139. REAR FMVSS LIGHTING:

A pair of Weldon, Model 3884 or equivalent, three lamp modules shall be provided. Each module shall include a stop-tail light, arrow directional light and backup light mounted in polished aluminum housing. The lights shall be mounted on the face of the rear body compartments. Four red reflectors shall be provided.

A Weldon, Model 23882-2600-00 or equivalent, license plate bracket shall be mounted on the driver's side rear of the vehicle. A Weldon, Model 9186-23882-30 or equivalent, step lamp shall illuminate the license plate.

The three identification lights located at the rear shall be installed per the following:  
As close as practical to the vertical Centerline.

Centers spaced not less than six inches or more than twelve inches apart.

Red in color and all shall be the same height.

The outside clearance lights located at the rear shall be installed per the following to indicate the overall width of the vehicle.

At least one each side of the vertical Centerline.

All at the same height.

As near the top as practical.

To be visible from the rear and the side.

Per FMVSS 108 and CMVSS 108 requirements.

140. "DO NOT MOVE APPARATUS" INDICATOR:

A flashing red indicator light (located in the driving compartment) shall be illuminated automatically per the current edition of NFPA. The light shall be labeled "Do Not Move Apparatus" if light is on.

141. OPEN DOOR INDICATOR LIGHT:

A red "open door" indicator light shall be provided inside the cab, in clear view of the driver, to warn of an open compartment door.

142. DECK LIGHTS:

Two 6, 00" Unity AG or equivalent deck lights with swivel mount shall be provided at the rear of the hose bed, one each side. One light shall be furnished with a 160,000 candle power halogen spot bulb and the other will be furnished with a 6,000 candle power halogen flood bulb.

143. AIR HORN SYSTEM:

Two Grover air horns shall be provided and located, in the front bumper, recessed outside frame. The horn system shall be piped to the air brake system wet tank utilizing .38" tubing. A pressure protection valve shall be installed in-line to prevent loss of air, in the air brake system.

144. AIR HORN CONTROL:

A lanyard rope pull control shall be provided within reach of the driver and officer.

145. ELECTRONIC SIREN:

A "Code 3", model 3692 or equivalent, electronic siren with noise canceling microphone shall be provided. Siren head shall be located in the dash. Siren shall be actuated by a foot switch on the officer's side and by the horn button in the steering wheel. The driver shall have the option to control the siren or the chassis horns from the horn button by means of a selector switch.

146. SPEAKER:

There shall be two (2) speakers provided and recessed in the bumper extension. Each speaker shall be a Federal, model BP100P or equivalent, 100 watt, bumper mount, with polished aluminum finish. Each speaker shall be connected to the siren amplifier.

147. MECHANICAL SIREN, (Auxiliary):

A Federal Q2B siren shall be furnished. A siren brake button shall be installed on the switch panel. The mechanical siren shall be recessed in the front bumper on the left side.

The siren shall be properly supported using the bumper framework. The mechanical siren shall be actuated by a foot switch on the driver's and officer's side.

148. WARNING LIGHT (Cab Roof):

A super bright LED light bar shall be mounted on the cab roof. The length of the light bar shall be 56.00" and meet the requirement on NFPA 1901.

The light bar shall be furnished with red lights or lenses.

149. LIGHT, TRAFFIC DIRECTING:

A Code 3®, Model: NASL39 or equivalent, LED traffic directing light shall be mounted at the rear of the vehicle, as high as practical.

This light shall be approximately 39.00" long by 1.75" high by 2.62" thick.

A Code 3®, Model AS-EX or equivalent, deluxe control head shall be used to actuate the light. This control head shall be located in the cab within easy access to the driver. The control unit shall simulate the lighting sequence on the rear of the vehicle.

The light shall be capable of four warning patterns:

Arrow Right

Arrow Left

Center Out

Alternating Flash

150. SIDE ZONE LOWER LIGHTING

Four Whelen, Model: 50\*03Z\*R or equivalent flashing LED lights shall be located at the following positions:

Two lights, one each side on the bumper extension.

The color of these lights shall be red Super LED/red.

Two lights, on each side near the rear axle of the apparatus.

The color of these lights shall be red Super LED/red lens.

The above four lights shall be required to meet the lower level optical warning and optical power requirements of NFPA.

One switch located in the cab on the switch panel shall control these lights.

These lights shall be provided with a chrome plated ABS plastic flange

#### 151. REAR ZONE LOWER LIGHTING

Two Whelen model 60\*02F\*R flashing "Super" LED warning lights or equivalent shall be located at the rear of the apparatus, required to meet or exceed the lower level optical warning and optical power requirements of NFPA.

The color of these lights shall be red Super LED/red lens.

One switch in the cab on the switch panel shall control these lights. These lights shall be installed with out a flange.

#### 152. WARNING LIGHTS (Rear of Hose Bed)

Two Whelen model 60\*02F\*R flashing "Super" LED warning lights or equivalent shall be located at the upper rear of the apparatus, required to meet or exceed the upper level optical warning and optical power requirements of NFPA.

The color shall be Super LED/Red on the driver side and Amber on the passenger side.

#### 153. COMPARTMENT LIGHTING

Minimum of one 2' Rescue FX Light (model EFXSL-2-2W) or 3' Rescue FX Light (EFXSL-3-2W), depending on compartment dimensions, shall be provided in each enclosed compartment. Each light shall be sealed with a minimum lumen rating of 200 lumens per foot. LED lighting of similar illumination and coverage is acceptable.

Opening the compartment door shall automatically turn on the compartment lighting.

#### 154. PUMP COMPARTMENT LIGHT

One 2' Rescue FX Light (model EFXSL-2-2W) shall be provided inside the pump enclosure. LED lighting of similar illumination and coverage is acceptable.

#### 155. PERIMETER SCENE LIGHTS (CAB)

A sealed, weatherproof 2' Rescue FX Light (model EFXSL-2-2W) or 3' Rescue FX Light (model EFXSL-3-2W), depending on available space, shall be provided for each cab door. Lighting shall be installed to provide illumination on ground areas under the driver, officer and crew cab riding area exists. These lights shall be activated automatically when the exit doors are opened and also by the body perimeter lights. LED lighting of similar illumination and coverage is acceptable.

#### 156. PERIMETER SCENE LIGHTS (BODY)

There shall be a minimum of four sealed, weatherproof 3' Rescue FX Lights (model EFXSL-3-2W) or 4' Rescue FX Lights (model EFXSL-4-2W), depending on available space, provided on the apparatus. Two lights shall be provided under the rear step area and two lights shall be provided under the pump panel running boards. The lights shall be spaced one each side of the apparatus and have a clear lens. The perimeter scene lights shall be activated by a parking brake. LED lighting of similar illumination and coverage is acceptable.

The lighting shall be capable of providing illumination at a minimum level of one foot-candle on ground areas within 30" of the edge of the apparatus in areas designed for personnel to climb onto the apparatus or descend from the apparatus to the ground level.

#### 157. PUMP PANEL LIGHTING

There shall be two 3' Rescue FX Lights (model EFXSL-3-2W) to illuminate the pump panel. The lights shall be spaced one on each side of the apparatus. LED lighting of similar illumination and coverage is acceptable.

#### 158. ELECTRICAL SYSTEM GENERAL DESIGN for ALTERNATING CURRENT:

The following guidelines shall apply to the 120/240 VAC system installation:

#### 159. GENERAL:

Except where superseded by the requirements of NFPA 1901, all components, equipment and installation procedures shall conform to NFPA 70, National Electrical Code (herein referred to as the NEC).

Line voltage electrical system equipment and materials included on the apparatus shall be listed and installed in accordance with the manufacturer's instructions. All products shall be used only in the manner for which they have been listed.

#### 160. GROUNDING

An equipment grounding means shall be provided in accordance with Section 250-62 (Grounding Conductor Material) of the NEC.

The grounded current carrying conductor (neutral) shall be insulated from the equipment grounding conductors and from the equipment enclosures and other grounded parts. The neutral conductor shall be colored white or gray in accordance with Section 200-6 (Means of Identifying Grounding Conductors) of the NEC.

In addition to the bonding required for the low voltage return current, each body and driving or crew compartment enclosure will be bonded to the vehicle frame by a copper conductor. This conductor shall have a minimum amperage rating of 115 percent of the nameplate current rating of the power source specification label as defined in Section 31015 (amp capacities) of the NEC. A single conductor, properly sized to meet the low voltage and line voltage requirements shall be permitted to be used.



161. WIRING METHODS:

Fixed wiring systems shall be limited to the following: - Metallic or nonmetallic liquid tight flexible conduit rated at not less than 194 degrees Fahrenheit (90 degrees Celsius)

Or

Type SO or Type SE0 cord with a WA suffix, rated at 600 volts at not less than 194 degrees Fahrenheit (90 degrees Celsius)

Separated by a minimum of 12 inches (305 mm), or properly shielded, from exhaust piping

Separated from fuel lines by a minimum of six inches (152 mm) distance.

Electrical cord or conduit shall not be attached to chassis suspension components, water or fuel lines, air or air brake lines, fire pump piping, hydraulic lines, exhaust system components, or low voltage wiring. In addition the wiring shall be run as follows:

162. WIRING IDENTIFICATION:

All line voltage conductors located in the main panel board shall be individually and permanently identified. The identification shall reference the wiring schematic or indicate the final termination point. When pre-wiring for future power sources or devices, the un-terminated ends shall be labeled showing functions and wire size.

163. WET LOCATIONS:

All wet location receptacle outlets and inlet devices, including those on hardwired remote power distribution boxes, shall be of the grounding type provided with a wet location cover and installed in accordance with Section 210-7 "Receptacles and Cord Connections" of the NEC.

All receptacles located in a wet location shall be not less than 24 inches (610 mm) from the ground. Receptacles on off-road vehicles shall be a minimum of 30 inches (762 mm) from the ground.

The face of any wet location receptacle shall be installed in a plane from vertical to not more than 45 degrees off vertical. No receptacle shall be installed in a face up position.

164. DRY LOCATIONS:

All receptacles located in a dry location shall be of the grounding type. Receptacles shall be not less than 30 inches (762 mm) above the interior floor height.

All receptacles shall be marked with the type of line voltage (120-volts or 240-volts) and the current rating in amps. If the receptacles are direct current, or other than single phase, they shall be so marked.

165. LISTING:

All receptacles and electrical inlet devices shall be listed to UL 498, Standard for Safety Attachment Plugs and Receptacles, or other appropriate performance standards.

Receptacles used for direct current voltages shall be rated for the appropriate service.

166. ELECTRICAL SYSTEM TESTING:

The wiring and associated equipment shall be tested by the apparatus manufacturer or the installer of the line voltage system.

The wiring and permanently connected devices and equipment shall be subjected to a dielectric voltage withstand test of 900 volts for one minute. The test will be conducted between live parts and the neutral conductor, and between live parts and the vehicle frame with any switches in the circuit(s) closed. This test shall be conducted after all body work has been completed. Electrical polarity verification shall be made of all permanently wired equipment and receptacles to determine that connections have been properly made.

167. GENERATOR

Provisions shall be made for the customer installation of a minimum 3800 Watt Honda generator or equivalent.

168. GENERATOR LOCATION

The generator shall be located left rear compartment.

169. GENERATOR START

The starting provision for the generator shall be located on the generator itself.

170. CIRCUIT BREAKER PANEL

A circuit breaker panel will be installed in the left rear compartment, as high as possible.

A directory for each breaker shall be provided adjacent to the circuit breaker panel. Identification of circuits will be done in a durable manner that provides years of service.

This breaker panel shall be connected to a minimum 3800 Watt Honda generator equivalent. The generator voltage shall be 120/240.

171. 120 VOLT LIGHTING (Portable)

The apparatus shall be equipped with two (2) telescoping "Extenda-Lite" tripod light when mounted to the truck with detachable brackets, and a 132.00" portable lighting tower when removed from the apparatus. An "Extenda-Lite" Model E-4750-POD (or equivalent) quartz tube flood shall be provided. Each light head shall be 120 volt, 750 watts, draw 6.5 amps and have an output of approximately 21,000 lumens. The light head shall swivel 360 degrees left or right and tilt up and down. A weatherproof receptacle shall be located adjacent to the floodlight and wired to the auxiliary power unit. All wiring used

shall be a minimum of 14 gauge 3 wire cables that are properly supported and protected from damage.

A 20 amp, 120 volt, twist-lock plug with waterproof boot shall be provided on the end of the light cord.

#### 172. 15 AMP RECEPTACLES

Wired to the power supply shall be two receptacles that are 120 volt 15 amp three wire duplex household types with a weather resisting cover.

One on the passenger side in bulkhead at front of compartment and one on the driver side pump panel.

#### 173. LOOSE EQUIPMENT

The following equipment shall be furnished with the completed unit:

One bag of chrome, stainless steel, or cadmium plated screws, nuts, bolts and washers, as used in the construction of the unit.

Axe with a fiberglass handle, pick head, with shield and chrome plated mounting brackets.

Axe with a fiberglass handle, flathead, with shield and chrome plated mounting brackets.

#### 174. PAINT

The exterior custom body painting finishing process as follows:

Manual Surface Preparation - All exposed metal surfaces on the custom body shall be thoroughly cleaned and prepared for painting. Surfaces that shall not be painted include all chrome plated, stainless steel, anodized aluminum and bright aluminum treadplate.

Each imperfection on the exterior metal surface shall be removed or filled and then sanded smooth for a smooth appearance. All seams shall be sealed before painting.

Chemical Cleaning and Treatment - The metal surfaces shall be properly cleaned using an acid etching system. Surfaces are chemically cleaned to remove all dirt, oil, grease and metal oxides to ensure the subsequent coatings bond well. An ultra pure water final rinse shall be applied to all metal surfaces, excluding undercarriage components, at the conclusion of the metal treatment process. Sealer Primer Coat - A two component sealer primer coat shall be applied. Topcoat Paint - Two coats of an automotive grade, two component acrylic urethane paint, shall also be applied. All removable items such as brackets, compartment doors, door hinges, trim, etc. shall be removed and painted separately to insure paint behind all mounted items. Body assemblies that can not be finish painted after assembly shall be finish painted before assembly. The chassis and body shall be painted #90 candy apple red. The upper portion of the cab shall be painted #10 white. Prior to reassembly and reinstallation of lights, handrails, door hardware and any miscellaneous body items, an isolation tape or gasket material must be used to prevent damage to the finish painted surfaces (no exceptions). A nylon washer shall be installed under each acorn nut or metal screw that is fastened directly to a painted body surface.

#### 175. PAINT - ENVIRONMENTAL IMPACT

Contractor shall meet or exceed all current State (his) regulations concerning paint operations. Pollution control shall include measures to protect the atmosphere, water and soil. Controls shall include the following conditions:

Topcoats and primers must be chrome and lead free.

Metal treatment chemicals must be chrome free. The wastewater generated in the metal treatment process must be treated to remove any other heavy metals.

Particulate emissions from painting operations must be collected by a dry filter or water wash process.

Solvents used in clean-up operations must be collected, sent off-site for distillation and returned for reuse.

Additionally, the finished apparatus shall not be manufactured with or contain products that have ozone depleting substances. Contractor shall, upon demand, present evidence that his manufacturing facility meets the above conditions and that it is in compliance with his State EPA rules and regulations.

#### 176. PAINT CHASSIS FRAME ASSEMBLY

The chassis frame assembly shall remain the color and paint quality as received from the chassis manufacturer. The frame and components shall not be repainted.

Components that are considered part of the "frame assembly" are frame rails, cross members, axles, suspension, steering gear and the fuel tank.

#### 177. WARRANTY - PAINT AND CORROSION

##### Limited Warranty

Except as provided below, and provided the vehicle has been placed in service within 60 days after delivery to the original purchaser as established by our original invoice, for a period of ten (10) years after delivery to the original purchaser, the manufacturer warrants to the user that its cab and body are free of blistering, peeling, corrosion, or any other adhesion defect caused by defective manufacturing methods or paint material selection for exterior surfaces of the cab and body of the vehicle. This limited warranty shall apply only if the vehicle is properly maintained and used in service which is normal to the particular vehicle. Normal service means service which does not subject the vehicle to stresses or impacts greater than normally result from the careful use of the vehicle or chassis. If the buyer discovers a defect or nonconformity it must notify the manufacturer in writing within 30 days after the date of discovery. This limited warranty is not transferable by the first user, and is applicable to the vehicle in the following percentage costs of warranty repair, if any:

Topcoat Durability & Appearance: Gloss, Color Retention & Cracking	Integrity of Coating System: Adhesion, Blistering/Bubbling	Corrosion: Dissimilar Metal and Crevice
0-72 months 100% 73-96 months 50% 97-120 months 25%	0-36 months 100% 37-84 months 50% 85-120 months 25%	0-36 months 100% 37-48 months 50% 49-72 months 25% 73-120 months 10%

This limited warranty applies only to cab and body exterior paint. Paint on the vehicle's undercarriage, cab and body interior shall be warranted only under the manufacturer's Basic One Year Limited Warranty.

Addition to the foregoing and subject to all of the terms and conditions of this Limited Warranty, except cost allocations, The manufacturer warrants its cab and body exterior paint for a period of ten (10) years against corrosion perforation. A copy of the manufacturer warranty shall be included with this proposal.

This warranty text is an illustration only. For actual details, refer to the warranty document. A copy of the manufacturer warranty shall be included with this proposal.

#### 178. PAINT, COMPARTMENT INTERIOR

The compartment interior shall be painted with a gray spatter finish for ease of cleaning and to make it easier to touch up scratches and nicks.

#### 179. REFLECTIVE STRIPES

Three reflective stripes shall be provided across the front of the vehicle and along the sides of the body. The reflective band shall consist of a 2.25" white stripe at the top, then a 1.50" gold stripe, and a 2.25" white stripe on the bottom. A 4.00" band shall be provided at the rear of the apparatus.

The reflective bands provided on the cab face shall be below the front grille on the front bumper.

#### 180. "Z" JOG IN REFLECTIVE STRIPE

There shall be one "Z"-shaped jog/s provided in the reflective stripe design.

#### 181. CHEVRON/INVERTED "V" STRIPING ON REAR BULKHEADS

There shall be alternating chevron striping located on the rear bulkheads.

The striping shall consist of the following colors:

The first color shall be yellow reflective.

The second color shall be red reflective.

The size of the striping shall be 4.00".

182. REFLECTIVE STRIPE, CAB DOORS

A ruby red reflective stripe shall be provided on the interior of each cab door.

This stripe shall be a minimum of 96 in sq and shall meet the NFPA 1901 requirement.

183. REFLECTIVE LETTERING:

Forty-one to sixty reflective lettering, 3.00" high, outlining and shading shall be provided.

Four letters, 12.00" high gold reflective shall be installed on crew cab door inset in stripe.

Nine letters, 6.00" high ruby red reflective shall be installed on D1, P1, and front bumper.

There shall be one set/s of reflective lettering, "KEEP BACK 500 FEET", supplied and installed on the rear rollup, as low as possible. The lettering shall be ruby red in color.

184. MOUNTING ALLOWANCE AND DEALER TO FURNISH EQUIPMENT ITEMS:

Dealer shall mount items of loose equipment supplied with the vehicle at time of delivery at their Service Center. Customer's two way radio shall also be installed and mounted.

An additional compartment light shall be provided in the ladder compartment.

A 30 degree elbow, 4" Stortz X 6" NST with blind cap shall be provided.

An Elkhart SM-1250, or equivalent, Nozzle shall be provided.

Black plastic tool boards shall be mounted in D-1, D-2, and P-2.

Customer's generator shall be mounted and installed.

Proper mounting hardware shall be provided.

## **CONTRACT SAMPLE PROFESSIONAL SERVICES AGREEMENT**

**(Sample agreement only. County reserves the right to alter this agreement based on final RFP results and/or any negotiations with proposed Consultant.)**

**THIS AGREEMENT** is made this \_\_\_\_\_ day of \_\_\_\_\_, 2011, by and between **Board of Sumter County Commissioners** (hereafter referred to as "Board"), whose address is 7375 Powell Road, Wildwood, Florida 34785, and \_\_\_\_\_ (hereafter referred to as "Consultant"), whose address is \_\_\_\_\_.

### **RECITALS**

WHEREAS, the Board has need of professional services for SUMTER COUNTY FIRE RESCUE REPLACEMENT OF ENGINES 21 & 34; and

WHEREAS, the parties desire to enter into a written agreement outlining the duties, responsibilities and compensation of Consultant, based on the Consultant's response to RFP # 015-0-2011/TC – Request for Proposals for SUMTER COUNTY FIRE RESCUE REPLACEMENT OF ENGINES 21 & 34;

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, it is hereby agreed as follows:

1. The relationship of the Consultant to the Board will be that of a professional consultant and the Consultant will provide the professional and technical services required under this agreement in accordance with acceptable professional practices and ethical standards applicable to Consultant's profession, and Consultant will endeavor to provide to the Board prompt and efficient consulting services to the best of its ability.
2. Consultant is hereby retained and employed as the SUMTER COUNTY FIRE RESCUE REPLACEMENT OF ENGINES 21 & 34 Consultant, and will work with the Board to provide said services in accordance with the scope of work outlined in RFP # 015-0-2011/TCT.
3. Consultant agrees to prepare and complete a report to the Board, detailing the status of services provided pursuant to this Agreement at least ninety (90) days prior to the expiration of the term of this Agreement, or at least ninety (90) days prior to the expiration of any renewal term of this Agreement. Consultant may be asked to present the deliverables in person for review by staff or for discussion at a scheduled Board meeting.
4. The term of this Agreement shall commence on the day and year as shown above and continue in full force through \_\_\_\_\_, unless otherwise terminated as provided in paragraph five (5) of this Agreement. This Agreement may be renewed on an annual basis if agreed to in writing by both parties, at least sixty (60) days prior to the expiration of this Agreement, including any periods of renewal. The term of this Agreement does not relieve the Consultant of any future responsibility as described in paragraph eight (8) of this Agreement.
5. This Agreement may be terminated by either party upon thirty (30) days prior written notice to the other party at the address designated in this Agreement for receiving such notice. If this agreement is terminated, Consultant shall be authorized to receive payment for all work performed

up to the date of termination.

6. With regard to compensation paid to Consultant, Consultant shall furnish to the Board on a monthly basis an itemized invoice detailing all of Consultants hours, services, expenses and any other services utilized by the Board during the preceding month. Invoice shall be itemized pursuant to and in accordance with the attached Fee Schedule. Consultant shall compute the total amount due for the preceding month and all amounts due Consultant shall be paid on a monthly basis pursuant to the provisions of the Local Government Prompt Payment Act, F.S. 218. Consultant acknowledges and agrees that the rates set forth in the Fee Schedule shall remain fixed throughout the duration of the Agreement and thereafter shall only be adjusted by mutual written agreement of both parties.

7. General Considerations.

- a. All reports, drawings, designs, specifications, notebooks, computations, details, and calculation documents prepared by Consultant and presented to the Board pursuant to this Agreement are and remain the property of the Board as instruments of service.
- b. All analyses, data, documents, models, modeling, reports and tests performed or utilized by Consultant shall be made available to the Board upon request and shall be considered public records.
- c. Consultant shall keep all books, records, files, drawings, plans and other documentation, including all electronically stored items, which concern or relate to the services required hereunder, for a minimum of three (3) years from the date of expiration or termination of this Agreement, or as otherwise required by any applicable law, whichever date is later. The Board shall have the right to order, inspect and copy all such Records as often as it deems necessary during any such period of time. The right to audit, inspect, and copy records shall include all of the records of sub-consultants (if any).
- d. Consultant shall, at all times, comply with the Florida Public Records Law, the Florida Open Meeting Law and all other applicable laws, rules and regulations of the State of Florida.
- e. Consultant shall, at all times, carry Professional Liability, General Liability, Automobile and Worker's Compensation Insurance pursuant to the insurance requirements in RFP # 015-0-2011/TC, naming Board as an additional insured in each such policy.
- f. Upon Consultant's written request, the Board will furnish, or cause to be furnished, such reports, studies, instruments, documents, and other information as Consultant and Board mutually deem necessary, and Consultant may rely upon same in performing the services required under this agreement.
- g. The Board and Consultant each binds itself and its successors, legal representatives and assigns to the other party to this agreement and to the partners, successors, legal representatives and assigns of such other party to this agreement, in respect to all covenants of this agreement; and neither the Board nor Consultant shall assign or transfer their interest in this agreement without the prior written consent of the other party.

8. Should any other professional services be called for by the Board which are not otherwise set forth in this Agreement or any of its attachments or exhibits, said charges shall be agreed upon in advance by the parties hereto. The Consultant may be required to provide additional services to the Board on challenges, public protests, administrative hearings or similar matters. The consultant shall be available to represent the Board, serve as an expert witness and provide supporting documentation as necessary.

9. The Contract Documents, which comprise the entire Contract between Board and Consultant



and which are further incorporated herein by reference, consist of the following:

- a. Request for Proposals (RFP)
- b. Vendor's Proposal Documents
- c. Permits / Licenses
- d. All Proposals Addenda Issued Prior to RFP Opening Date
- e. All Modifications and Change Orders Issued

10. Consultant does hereby specifically promise and agree to "hold harmless", defend and indemnify the Board and the agents, servants, employees, officers, and officials thereof from and against any and all liability or responsibility for damage to property or person that may arise in connection with the services to be provided hereunder, including payment of all reasonable attorney's fees, costs and expenses associated with the same.

11. Consultant, its agents, servants or employees shall, in no manner, whatsoever be construed as the employees, agents, servants or representatives of the Board and shall have not expressed or implied power or authority to act in any manner whatsoever for or on behalf of the Board, except as provided in the scope of services called for herein. Consultant is hereby designated as an independent contractor to the Board and none of the employees, agents or servants of the Consultant shall have, or be entitled to, any of the fringe benefits applicable to employees of the Board.

12. In the event of default by either party hereto, the defaulting party shall be liable for all costs and expenses, including reasonable attorney's fees and costs incurred by the other party in enforcing it's rights hereunder, whether litigation be instituted or not, at the trial court and appellate court level.

13. Consultant does hereby waive any and all "venue privilege" and or "diversity of citizenship privileges" and specifically agrees that any action brought for the enforcement, construction or interpretation of this agreement shall be maintained in the County or Circuit Court in and for Sumter County, Florida, and Consultant hereby specifically waives its right or privilege to institute any action of any kind or nature whatsoever, against the Board in any other State Court, Federal Court or administrative tribunal.

14. This Agreement represents the entire and integrated agreement between the parties and supersedes all prior negotiations, representations or agreements, either written or verbal. If any provision of this Agreement is declared to be invalid or unenforceable, the remainder shall continue to operate in full force and effect.

15. This Agreement cannot be changed or modified, unless by written agreement signed by all parties hereto.

16. In performing services hereunder, Consultant shall comply with all federal, state and local laws and regulations. Consultant shall be responsible for identifying and obtaining all permits necessary to complete the scope of services. Consultant shall be responsible for obtaining, at its sole cost and expense, all necessary licenses and other governmental approvals required in order for Consultant to provide the type of services required hereunder.

17. Consultant shall notify Board in writing of any commitments during the term of this Agreement which may constitute a potential or actual conflict of interest with respect to the scope of services to be performed for the Board.

18. Each of the WHEREAS clauses listed above are hereby re-alleged and incorporated into this Agreement as if otherwise fully stated herein.

19. Any notices required by this Agreement shall be mailed to the following individual(s), by Certified Mail, Return Receipt requested:

FOR THE BOARD

FOR THE CONSULTANT

Name: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_ Address: \_\_\_\_\_

Title: \_\_\_\_\_ Title: \_\_\_\_\_

Date: \_\_\_\_\_ Date: \_\_\_\_\_

IN WITNESS WHEREOF, the parties have signed this agreement the day and year first above written.

ATTEST:

SUMTER COUNTY  
BOARD OF COUNTY COMMISSIONERS

By: \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_, Chairman

Date Signed: \_\_\_\_\_

ATTEST:

Consultant

By: \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_

Date Signed: \_\_\_\_\_

**RFP # 015-0-2011/TC SUMTER COUNTY FIRE RESCUE REPLACEMENT OF ENGINES 21 & 34.**

Addendum 1

**SCOPE OF SERVICES**

The Sumter County Board of County Commissioners is requesting Proposals from qualified firms for the **RFP # 015-0-2011/TC SUMTER COUNTY FIRE RESCUE REPLACEMENT OF ENGINES 21 & 34.**

12. REAR AXLE RATIO:

**Correction:**

The ratio of the rear axle shall be provided by the chassis manufacturer. The maximum top speed **shall not exceed the limits identified in NFPA 1901, 2008 edition.**

36. THE CAB:

**Clarification:**

The EMS compartment shall be accessible from the officer's side of the cab, allowing for easy access without entering the cab.

87. LADDER STORAGE:

**Clarification:**

Hydraulic ladder rack may be noted as an option to through-the-body storage.

111. TANK REFILL:

**Correction:**

A **2"** combination tank refill and pump re-circulation line shall be provided, using a quarter-turn full flow ball valve controlled from the pump operator's panel.

132. PUMP PANEL GAUGES AND CONTROLS:

**Correction:**

The "Class 1 Enfo 4 System (or equivalent)" is corrected to indicate **"Fire Research "PumpBoss" series PBA401-D00 (or equivalent)"** to match the requirement of section 99.

139. REAR FMVSS LIGHTING:

**Clarification:**

A pair of Weldon, Model 3884 or equivalent **(LED)**, three lamp modules shall be provided. Each module shall include a stop-tail light, arrow directional light and backup light mounted in polished aluminum housing. The lights shall be mounted on the face of the rear body compartments. Four red reflectors shall be provided.